



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

PERMITTEE:	UTILITIES BOARD OF THE CITY OF GRI POST OFFICE BOX 546 GREENSBORO, ALABAMA 36744	EENSBORO
FACILITY LOCATION:	GREENSBORO LAGOON 649 COUNTY ROAD 19 GREENSBORO, ALABAMA HALE COUNTY	(2.0) MGD
PERMIT NUMBER:	AL0057193	
RECEIVING WATERS:	BLACK WARRIOR RIVER COLWELL CREEK (STORMWATER ONL	Υ)
"FWPCA"), the Alabama Water (Alabama Environmental Manager	to the provisions of the Federal Water Pollution Contro Pollution Control Act, as amended, Code of Alabama 19 nent Act, as amended, Code of Alabama 1975, SS22-22A-1 the terms and conditions set forth in this permit, the Pe	75, ∭ 22-22-1 to 22-22-14 (the "AWPCA"), the 1 to 22-22A-15, and rules and regulations adopted
ISSUANCE DATE:		
EFFECTIVE DATE:		
EXPIRATION DATE:		

MUNICIPAL SECTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT

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PARTI

DISCHARGE LIMITATIONS, CONDITIONS, AND REQUIREMENTS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

Outfall 0012 Discharge Limits _;

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 0012, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

			Disc	Discharge Limitations*	18*				Monitoring Requirements**	quirements**	
<u>Parameter</u>	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	<u>Daily</u> Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) <u>Measurement</u> <u>Frequency</u>	(4) Seasonal
Oxygen, Dissolved (DO) 00300 1 0 0	****	****	****	* * * * * *	REPORT mg/l	:	* * * * * * * * * * * * * * * * * * * *	ш	GRAB	Ĺ	* * * * *
pH 00400 1 0 0	****	****	****	****	6.0 S.U.	9.0 S.U.	***	ជា	GRAB	Ĺ.	* * * * *
Solids, Total Suspended 00530 1 0 0	1501 lbs/day	2251 lbs/day	0.0e 1/gm	135 mg/l	***	***	****	ш	COMP24	ĹL,	* * * * *
Solids, Total Suspended 00530 G 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	***	**	* * * *	1	COMP24	Ĺ.	* * * *
Nitrogen, Ammonia Total (As N) 00610 1 0 0	333 lbs/day	500 lbs/day	20.0 mg/l	30.0 mg/l	* * * *	****	* * * *	ш	COMP24	ĹĿ,	* * * *
Nitrogen, Kjeldahl Total (As N) 00625 1 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	****	****	* * * *	ш	COMP24	ŋ	* * * *
Nitrite Plus Nitrate Total 1 Det. (As N) 00630 1 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	***	**	* * * * *	ш	COMP24	Ð	* * * *
Phosphorus, Total (As P) 00665 1 0 0	REPORT lbs/day	REPORT lbs/day	REPORT mg/l	REPORT mg/l	****	****	***	ы	COMP24	Ð	****
Flow, In Conduit or Thru Treatment Plant 50050 1 0 0	REPORT MGD	***	****	***	***	REPORT MGD	* * * * * * * * * * * * * * * * * * * *	ш	CONTIN	А	* * * *
Chlorine, Total Residual See note (5) 50060 1 0 0	**	* * * *	***	**	* * * *	1.0 mg/l	***	ы	GRAB	F	**

^{*} See Part II.C.1. (Bypass); Part II.C.2. (Upset)

E - Effluent I - Influent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

G - 1 day per month H - 1 day per quarter F - 2 days per month B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week A - 7 days per week COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite INSTAN - Instantaneous (2) Sample Type: CONTIN - Continuous

W = Winter (December - April) ECS = <u>E. coli</u> Summer (June – September) ECW = <u>E. coli</u> Winter (October – May)

S = Summer (May - November)

(4) Seasonal Limits:

(3) Measurement Frequency: See also Part I.B.2.

CALCTD - Calculated GRAB - Grab

J. Annual Q - For Effluent Toxicity Testing, see Provision IV.B.

(5) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter "NODI=9" on the monthly DMR.

^{**} Monitoring Requirements (1) Sample Location

Outfall 0012 Discharge Limits (continued) 7

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 0012, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

			Discl	Discharge Limitations*	18*				Monitoring Requirements**	equirements**	
<u>Parameter</u>	Monthly Average	Weekly Average	Monthly Average	Weekly Average	<u>Daily</u> Minimum	Daily Maximum	Percent Removal	(I) Sample Location	(2) Sample Type	Measurement Frequency	(4) Seasonal
E. Coli	****	****	126	***	*****	235	*****	3	GRAB	Ŧ.	****
51040 1 0 0			col/100mL			col/100mL					
BOD, Carbonaceous 05 Day, 20C	417	625	25.0	37.5	****	****	****	3	COMP24	ī	****
80082 1 0 0	lbs/day	lbs/day	mg/l	mg/l							
BOD, Carbonaceous 05 Day, 20C	REPORT	REPORT	REPORT	REPORT	*****	****	*****	 	COMP24	Ŀ	***
80082 G 0 0	lbs/day	lbs/day	mg/l	mg/l							
BOD, Carb-5 Day, 20 Deg C, Percent Remvl	****	****	****	*****	****	****	85.0%	×	CALCTD	Ð	****
80091 K 0 0											
Solids, Suspended Percent Removal	****	****	*****	*****	****	****	65.0%	К	CALCTD	9	***
81011 K 0 0											

Jpset	
Part II.C.2. (Upsel	
(Bypass);	
	1
I.C.	
art I	
See Part II.C.1.	
	G

Monitoring Requirements

(1) Sample Location

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration.

RS - Receiving Stream

COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite GRAB - Grab CALCTD - Calculated

Testing, see Provision IV.B. Q - For Effluent Toxicity J - Annual A - 7 days per week
B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week

(3) Measurement Frequency; See also Part I.B.2.

F - 2 days per month G - I day per month H - I day per quarter

(2) Sample Type: CONTIN - Continuous INSTAN - Instantaneous

(4) Seasonal Limits: S = Summer (May – November) W = Winter (December - April)

ECS = E. coli Summer (June – September) ECW = E. coli Winter (October – May)

3. Outfall 001S Discharge Limits - Semi-Annual Monitoring

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 001S, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

			Dis	Discharge Limitations*					Monitoring Re	Monitoring Requirements**	
<u>Parameter</u>	Monthly Average	Weekly Average	Monthly Average	Weekly Average	Daily Minimum	Daily Maximum	Percent Removal	(1) Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
Copper Total Recoverable 01119 1 0 0	**	* * *	REPORT mg/l	*	* * * * * * * * * * * * * * * * * * * *	REPORT mg/l	* * * *	ш	GRAB	S	* * * *
* See Part II.C.1. (Bypass); Part II.C.2. (Upset) ** Monitoring Requirements [1] Sample Location [- Influent E - Effluent X - End Chlorine Contact Chamber K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration RS - Receiving Stream	<u> </u>	2) Sample Type; CONTIN - Continuous INSTAN - Instantaneous COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite GRAB – Grab CALCTD - Calculated		(3) Measurement Frequency. See also Part I.B.2. A - 7 days per week F - 2 days per month B - 5 days per week G - 1 day per month C - 3 days per week H - 1 day per quarter D - 2 days per week J - Annual E - 1 day per week Q - For Effluent Toxicity S - Semi-Annual	equency: See al F - 2 days pr G - 1 day pe H - 1 day pe J - Annual Q - For Effil	ency. See also Part I.B.2. F - 2 days per month G - 1 day per month H - 1 day per quarter J - Annual Q - For Effluent Toxicity Testing, see Provision IV.B.		(4) Seasonal Limits: S = Summer (May— W = Winter (Decem ECS = E. coli Sumn ECW = E. coli Wint	(4) Seasonal Limits: S = Summer (May – November) W = Winter (December - April) ECS = <u>E. coli</u> Summer (June – September) ECW = <u>E. coli</u> Winter (October – May)	ntember) May)	

Outfall 001T Discharge Limits 4

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 001T, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

Requirements**	(3) (4) Measurement Seasonal	.	
Monitoring	(2) Sample Type	COMP24	COMP24
	(1) Sample Location	ıп	ਸ਼
	Percent Removal	*	*
	Daily Maximum	* * * *	* *
ons*	Daily Minimum	*	* * * * * * * * * * * * * * * * * * * *
Discharge Limitati	Weekly Average	**	*
Dis	Monthly Average	****	* * * * *
	Weekly Average	Pass = 0 $Fail = 1$	Pass = 0 $Fail = 1$
	Monthly Average	****	*
	<u>Parameter</u>	Toxicity, Ceriodaphnia Acute 61425 1 0 0	Toxicity, Pimephales Acute 61427 1 0 0

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** Monitoring Requirements (1) Sample Location

$$\begin{split} I - & \text{Influent} \\ E - & \text{Effluent} \\ X - & \text{End Chlorine Contact Chamber} \end{split}$$

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration. RS - Receiving Stream

A - 7 days per week
B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week INSTAN - Instantaneous COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite GRAB – Grab CONTIN - Continuous CALCTD - Calculated

(3) Measurement Frequency: See also Part I.B.2.

(2) Sample Type:

F - 2 days per month G - 1 day per month H - 1 day per quarter

Testing, see Provision IV.B. J - Annual Q - For Effluent Toxicity

(4) Seasonal <u>Limits</u>:
S = Summer (May – November)
W = Winter (December - April)
ECS = <u>E. coli</u> Summer (June – September)
ECW = <u>E. coli</u> Winter (October – May)

Outfall 002S Discharge Limits S.

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 002S, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

		Disch	Discharge Limitations*	*SI				Monitoring Requirements**	quirements**	
Monthly Average	Weekly Average	Monthly Average	Weekly	Daily Minimum	Daily Maximum	Percent Removal	Sample Location	(2) Sample Type	(3) Measurement Frequency	(4) Seasonal
:	* * * * * * * * * * * * * * * * * * * *	*	* * * * * * * * * * * * * * * * * * * *	REPORT S.U.	REPORT S.U.	* * * * *	ш	GRAB	<u>.</u>	* * * *
:	* * * * *	*	***	:	REPORT mg/l	:	ш	GRAB	ſ	:
:	****	* * * * * * * * * * * * * * * * * * * *	:	* * * * *	REPORT mg/l	* * * *	ίπ	GRAB	ſ	* * * * *
* * * *	* * * * *	* * * * * *	* * * * * *	*	REPORT mg/l	* * * * * * * * * * * * * * * * * * * *	ш	GRAB	ſ	* * * * *
:	 ***	*	***	* * * *	REPORT mg/l	* * * * * * * * * * * * * * * * * * * *	ш	GRAB	-	* * * *
:	***	****	***	:	REPORT mg/l	* * * * *	ш	GRAB	ſ	***
***	**	****	****	*	15 mg/l	***	ш	GRAB	ſ	:
*	**	* * * * *	* * * * *	* * *	REPORT MGD	* * * * * * *	ľī	CALCTD	ſ	* * * * *
:	 * * * * *	*	***	**	REPORT mg/l	* * * * * *	ш	GRAB	ſ	* * * * * * * * * * * * * * * * * * * *
:	 *	:	*	*	REPORT col/100mL	*	<u> </u>	GRAB	ſ	:

^{*} See Part II.C.1. (Bypass); Part II.C.2. (Upset)

Monitoring Requirements (1) Sample Location

Influent

E - Effluent

X - End Chlorine Contact Chamber

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration. RS - Receiving Stream

COMP24 - 24-Hour Composite COMP-8 - 8-Hour Composite CALCTD - Calculated GRAB - Grab

INSTAN - Instantaneous CONTIN - Continuous

(2) Sample Type:

Q - For Effluent Toxicity F - 2 days per month G - 1 day per month H - 1 day per quarter J - Annual A - 7 days per week
B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week

(3) Measurement Frequency: See also Part I.B.2.

(4) Seasonal Limits:
S = Summer (May – November)
W = Winter (December - April)
ECS = E. coli Summer (June – September)
ECW = E. coli Winter (October – May)

Testing, see Provision IV.B.

Outfall 003S Discharge Limits 9

During the period beginning on the effective date of this permit and lasting through the expiration date of this permit, the Permittee is authorized to discharge from Outfall 003S, which is described more fully in the Permittee's application. Such discharge shall be limited and monitored by the Permittee as specified below:

			Discl	Discharge Limitations*	us*				Monitoring Requirements**	quirements**	
Parameter	Monthly	Weekly	Monthly	Weekly	Daily	Daily	Percent	(I)	(7)	(3) Mosture	Ð
	Average	Average	Average	Average	Minimum	Maximum	Removal	Location	Sample Type	Frequency	Seasonal
hd	*	* * * * * * * * * * * * * * * * * * * *	* * * *	* * * *	REPORT	REPORT	* * * *	ш	GRAB	ſ	* * * * * *
00400 1 0 0					S.U.	S.U.					
Solids, Total Suspended	*	*	:	****	***	REPORT	****	Е	GRAB	J	**
00530 1 0 0						mg/l					
Nitrogen, Ammonia Total (As N)	:	***	****	***	****	REPORT	****	m	GRAB	<u>.</u>	***
00010100						mg/l					
Nitrogen, Kjeldahl Total (As N)	*	*	* * * *	***	****	REPORT	****	н	GRAB	ſ	***
00625 1 0 0						mg/l					
Nitrite Plus Nitrate Total 1 Det. (As N)	:	***	***	***	****	REPORT	***	Ξ	GRAB	ſ	****
00630 1 0 0						mg/l					
Phosphorus, Total (As P)	*	***	* * * *	****	****	REPORT	****	ш	GRAB		****
00665100						mg/l					
Oil and Grease	***	***	***	****	****	15	****	ш	GRAB	ſ	****
03582 1 0 0						mg/l					
Flow, In Conduit or Thru Treatment Plant	:	***	***	***	****	REPORT	***	ш	CALCTD	J	****
50050 1 0 0						MGD					
BOD, Carbonaceous 05 Day, 20C	* * * * *	* * * * *	***	****	***	REPORT	****	ш	GRAB	ſ	***
80082 1 0 0						mg/l					
E. Coli	****	* * * *	*	****	***	REPORT	****	Э	GRAB	1	****
51040 1 0 0						col/100mL					

^{*} See Part II.C.1. (Bypass); Part II.C.2. (Upset)

Monitoring Requirements

(1) Sample Location

X - End Chlorine Contact Chamber E - Effluent

K - Percent Removal of the Monthly Avg. Influent Concentration from the Monthly Avg. Effluent Concentration. RS - Receiving Stream

COMP-8 - 8-Hour Composite COMP24 - 24-Hour Composite CALCTD - Calculated GRAB - Grab

INSTAN - Instantaneous CONTIN - Continuous

(2) Sample Type:

Q - For Effluent Toxicity F - 2 days per month H - 1 day per quarter G - 1 day per month J - Annual A - 7 days per week
B - 5 days per week
C - 3 days per week
D - 2 days per week
E - 1 day per week

(3) Measurement Frequency: See also Part I.B.2.

Testing, see Provision IV.B.

S = Summer (May - November) W = Winter (December - April) $ECS = \underline{E. coli} Summer (June - September)$ $ECW = \underline{E. coli} Winter (October - May)$ (4) Seasonal Limits:

(5) See Part IV.C. for Total Residual Chlorine (TRC). Monitoring for TRC is applicable if chlorine is utilized for disinfection purposes. If monitoring is not applicable during the monitoring period, enter "NODI=9" on the monthly DMR.

B. DISCHARGE MONITORING AND RECORD KEEPING REQUIREMENTS

1. Representative Sampling

Sample collection and measurement actions shall be representative of the volume and nature of the monitored discharge and shall be in accordance with the provisions of this permit. The effluent sampling point shall be at the nearest accessible location just prior to discharge and after final treatment, unless otherwise specified in the permit.

2. Measurement Frequency

Measurement frequency requirements found in Provision I.A. shall mean:

- Seven days per week shall mean daily.
- Five days per week shall mean any five days of discharge during a calendar weekly period of Sunday through Saturday.
- c. Three days per week shall mean any three days of discharge during a calendar week.
- d. Two days per week shall mean any two days of discharge during a calendar week.
- e. One day per week shall mean any day of discharge during a calendar week.
- f. Two days per month shall mean any two days of discharge during the month that are no less than seven days apart. However, if discharges occur only during one seven-day period in a month, then two days per month shall mean any two days of discharge during that seven day period.
- g. One day per month shall mean any day of discharge during the calendar month.
- h. Quarterly shall mean any day of discharge during each calendar quarter.
- i. The Permittee may increase the frequency of sampling, listed in Provisions I.B.2.a through I.B.2.h; however, all sampling results are to be reported to the Department.

3. Test Procedures

For the purpose of reporting and compliance, Permittees shall use one of the following procedures:

- a. For parameters with an EPA established Minimum Level (ML), report the measured value if the analytical result is at or above the ML and report "0" for values below the ML. Test procedures for the analysis of pollutants shall conform to 40 CFR Part 136 and guidelines published pursuant to Section 304(h) of the FWPCA, 33 U.S.C. Section 1314(h). If more than one method for analysis of a substance is approved for use, a method having a minimum level lower than the permit limit shall be used. If the minimum level of all methods is higher than the permit limit, the method having the lowest minimum level shall be used and a report of less than the minimum level shall be reported as zero and will constitute compliance, however should EPA approve a method with a lower minimum level during the term of this permit the Permittee shall use the newly approved method.
- b. For pollutants parameters without an established ML, an interim ML may be utilized. The interim ML shall be calculated as 3.18 times the Method Detection Level (MDL) calculated pursuant to 40 CFR Part 136, Appendix B.
 - Permittees may develop an effluent matrix-specific ML, where an effluent matrix prevents attainment of the established ML. However, a matrix specific ML shall be based upon proper laboratory method and technique. Matrix-specific MLs must be approved by the Department, and may be developed by the Permittee during permit issuance, reissuance, modification, or during compliance schedule.
 - In either case the measured value should be reported if the analytical result is at or above the ML and "0" reported for values below the ML.
- c. For parameters without an EPA established ML, interim ML, or matrix-specific ML, a report of less than the detection limit shall constitute compliance if the detection limit of all analytical methods is higher than the permit limit. For the purpose of calculating a monthly average, "0" shall be used for values reported less than the detection limit.

The Minimum Level utilized for procedures a and b above shall be reported on the Permittee's DMR. When an EPA approved test procedure for analysis of a pollutant does not exist, the Director shall approve the procedure to be used.

4. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the Permittee shall record the following information:

a. The facility name and location, point source number, date, time and exact place of sampling;

- b. The name(s) of person(s) who obtained the samples or measurements;
- c. The dates and times the analyses were performed;
- d. The name(s) of the person(s) who performed the analyses;
- e. The analytical techniques or methods used, including source of method and method number; and
- f. The results of all required analyses.

5. Records Retention and Production

- a. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the above reports or the application for this permit, for a period of at least three years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time. If litigation or other enforcement action, under the AWPCA and/or the FWPCA, is ongoing which involves any of the above records, the records shall be kept until the litigation is resolved. Upon the written request of the Director or his designee, the Permittee shall provide the Director with a copy of any record required to be retained by this paragraph. Copies of these records should not be submitted unless requested.
- b. All records required to be kept for a period of three years shall be kept at the permitted facility or an alternate location approved by the Department in writing and shall be available for inspection.
- 6. Reduction, Suspension or Termination of Monitoring and/or Reporting
 - a. The Director may, with respect to any point source identified in Provision I.A. of this permit, authorize the Permittee to reduce, suspend or terminate the monitoring and/or reporting required by this permit upon the submission of a written request for such reduction, suspension or termination by the Permittee, supported by sufficient data which demonstrates to the satisfaction of the Director that the discharge from such point source will continuously meet the discharge limitations specified in Provision I.A. of this permit.
 - b. It remains the responsibility of the Permittee to comply with the monitoring and reporting requirements of this permit until written authorization to reduce, suspend or terminate such monitoring and/or reporting is received by the Permittee from the Director.
- 7. Monitoring Equipment and Instrumentation

All equipment and instrumentation used to determine compliance with the requirements of this permit shall be installed, maintained, and calibrated in accordance with the manufacturer's instructions or, in the absence of manufacturer's instructions, in accordance with accepted practices. At a minimum, flow measurement devices shall be calibrated at least once every 12 months.

C. DISCHARGE REPORTING REQUIREMENTS

- 1. Reporting of Monitoring Requirements
 - a. The Permittee shall conduct the required monitoring in accordance with the following schedule:
 - (1) MONITORING REQUIRED MORE FREQUENTLY THAN MONTHLY AND MONTHLY shall be conducted during the first full month following the effective date of coverage under this permit and every month thereafter.
 - (2) QUARTERLY MONITORING shall be conducted at least once during each calendar quarter. Calendar quarters are the periods of January through March, April through June, July through September, and October through December. The Permittee shall conduct the quarterly monitoring during the first complete calendar quarter following the effective date of this permit and is then required to monitor once during each quarter thereafter. Quarterly monitoring should be reported on the last DMR due for the quarter (i.e., March, June, September and December DMRs).
 - (3) SEMIANNUAL MONITORING shall be conducted at least once during the period of January through June and at least once during the period of July through December. The Permittee shall conduct the semiannual monitoring during the first complete calendar semiannual period following the effective date of this permit and is then required to monitor once during each semiannual period thereafter. Semiannual monitoring may be done anytime during the semiannual period, unless restricted elsewhere in this permit, but it should be reported on the last DMR due for the month of the semiannual period (i.e., June and December DMRs).
 - (4) **ANNUAL MONITORING** shall be conducted at least once during the period of January through December. The Permittee shall conduct the annual monitoring during the first complete calendar annual period following the effective date of this permit and is then required to monitor once during each annual period thereafter.

Annual monitoring may be done anytime during the year, unless restricted elsewhere in this permit, but it should be reported on the December DMR.

- b. The Permittee shall submit discharge monitoring reports (DMRs) on the forms approved by the Department and in accordance with the following schedule:
 - (1) **REPORTS OF MORE FREQUENTLY THAN MONTHLY AND MONTHLY TESTING** shall be submitted on a monthly basis. The first report is due on the 28th day of the month following the month the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.
 - (2) **REPORTS OF QUARTERLY TESTING** shall be submitted on a quarterly basis. The first report is due on the 28th day of the month following the month the permit becomes effective. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.
 - (3) **REPORTS OF SEMIANNUAL TESTING** shall be submitted on a semiannual basis. The reports are due on the 28th day of JANUARY and the 28th day of JULY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.
 - (4) **REPORTS OF ANNUAL TESTING** shall be submitted on an annual basis. Unless specified elsewhere in the permit, the first report is due on the 28th day of JANUARY. The reports shall be submitted so that they are received by the Department no later than the 28th day of the month following the reporting period.
- The Department is utilizing a web-based electronic environmental (E2) DMR reporting system for submittal of DMRs. If the permittee is not already participating in the E2 DMR system, the permittee must apply for participation in the system within 180 days of coverage under this permit unless the facility submits in writing valid justification as to why they cannot participate and the Department approves in writing utilization of hard copy DMR submittals. Once the permittee is enrolled in the E2 DMR system, the permittee must utilize the system for the submittal of DMRs unless otherwise allowed by this permit. To participate in the E2 DMR system, the Permittee Participation Package may be downloaded online at https://e2.adem.alabama.gov/npdes. If the E2 DMR system is down (i.e., electronic submittal of DMR data is unable to be completed due to technical problems originating with the Department's system: this could include entry/submittal issues with an entire set of DMRs or individual parameters), the permittee is not relieved of their obligation to submit DMR data to the Department by the required submittal date. However, if the E2 DMR system is down on the 28th day of the month or is down for an extended period of time as determined by the Department when a DMR is required to be submitted, the facility may submit the data in an alternate manner and format acceptable to the Department. Preapproved alternate acceptable methods include faxing, e-mailing, mailing, or hand-delivery of data such that they are received by the required reporting date. Within five calendar days of the E2 DMR system resuming operation, the permittee shall enter the data into the E2 DMR system, unless an alternate timeframe is approved by the Department. An attachment should be included with the E2 DMR submittal verifying the original submittal date (date of the fax, copy of dated e-mail, or hand-delivery stamped date). If a permittee is allowed to submit via the US Postal Service, the DMR must be legible and bear an original signature. Photo and electronic copies of the signature are not acceptable and shall not satisfy the reporting requirements of this permit. If the permittee, using approved analytical methods as specified in Provision I.B.2, monitors any discharge from a point source for a limited substance identified in Provision I.A of this permit more frequently than required by this permit, the results of such monitoring shall be included in the calculation and reporting of values on the DMR form and the increased frequency shall be indicated on the DMR form. In the event no discharge from a point source identified in Provision I.A of this permit and described more fully in the permittee's application occurs during a monitoring period, the permittee shall report "No Discharge" for such period on the appropriate DMR form.
- d. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules and regulations, shall be electronically signed (or, if allowed by the Department, traditionally signed) by a "responsible official" of the permittee as defined in ADEM Administrative Code Rule 335-6-6-.09 or a "duly authorized representative" of such official as defined in ADEM Administrative Code Rule 335-6-6-.09 and shall bear the following certification:
 - "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- e. The Permittee may certify in writing that a discharge will not occur for an extended period of time and after such certification shall not be required to submit monitoring reports. Written notification of a planned resumption of discharge shall be submitted at least 30 days prior to resumption of the discharge. If an unplanned resumption of

discharge occurs, written notification shall be submitted within 7 days of the resumption. In any case, all discharges shall comply with all provisions of this permit.

f. All reports and forms required to be submitted by this permit, the AWPCA and the Department's Rules, shall be addressed to:

> Alabama Department of Environmental Management Municipal Section, Water Division Post Office Box 301463 Montgomery, Alabama 36130-1463

Certified and Registered Mail shall be addressed to:

Alabama Department of Environmental Management Municipal Section, Water Division 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059

DMRs required to be submitted by this permit shall be addressed to:

Alabama Department of Environmental Management Environmental Data Section, Permits & Services Division Post Office Box 301463 Montgomery, Alabama 36130-1463

g. If this permit is a reissuance, then the permittee shall continue to submit DMRs in accordance with the requirements of their previous permit until such time as DMRs are due as discussed in Part I.C.1.b. above.

2. Noncompliance Notification

- a. The Permittee must notify the Department if, for any reason, the Permittee's discharge:
 - (1) Does not comply with any daily minimum or maximum discharge limitation for an effluent characteristic specified in Provision I. A. of this permit which is denoted by an "(X)"
 - (2) Potentially threatens human health or welfare,
 - (3) Threatens fish or aquatic life
 - (4) Causes an in-stream water quality criterion to be exceeded;
 - (5) Does not comply with an applicable toxic pollutant effluent standard or prohibition established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a);
 - (6) Contains a quantity of a hazardous substance that may be harmful to public health or welfare under Section 311(b)(4) of the FWPCA, 33 U.S.C. Section 1321(b)(4);
 - (7) Exceeds any discharge limitation for an effluent parameter listed in Part I.A as a result of an unanticipated bypass or upset; or
 - (8) Is an unpermitted direct or indirect discharge of a pollutant to a water of the state (Note that unpermitted discharges properly reported to the Department under any other requirement are not required to be reported under this provision)

The Permittee shall orally or electronically report any of the above occurrences, describing the circumstances and potential effects, to the Department within 24-hours after the Permittee becomes aware of the occurrence of such discharge. In addition to the oral or electronic report, the Permittee shall submit a written report to the Director or Designee, as provided in Provision I.C.2.c,no later than five days after becoming aware of the occurrence of such discharge or occurrence.

- b. If for any reason, the Permittee's discharge does not comply with any limitation of this permit, then the Permittee must submit a written report to the Director or Designee, as provided in Provision I.C.2.c below. This report must be submitted with the next Discharge Monitoring Report required to be submitted by Provision I.C.1 of this permit after becoming aware of the occurrence of such noncompliance.
- c. Form 421 must be submitted to the Director or Designee in accordance with Provisions I.C.2a. or b. The completed form must document the following information:
 - (1) A description of the discharge and cause of noncompliance;
 - (2) The period of noncompliance, including exact dates, times, and duration of the noncompliance. If not corrected by the due date of the written report, then the Permittee is to state the anticipated timeframe that is expected to transpire before the noncompliance is resolved; and

(3) A description of the steps taken by the Permittee and the steps planned to be taken by the Permittee to reduce or eliminate the noncompliant discharge, including all steps taken to prevent recurrence.

d. Immediate notification

The permittee shall provide notification to the Director, the public, the county health department, and any other affected entity such as public water systems, as soon as possible upon becoming aware of any notifiable sanitary sewer overflow. The Permittee shall also report notification of the noncompliance event to any other affected entity such as the public.

- e. The Permittee shall keep an updated record of all known wastewater discharge points that are not authorized as permitted outfalls, including but not limited to SSOs. The Permittee shall submit annual Municipal Water Pollution Prevention Plan (MWPP) reports to the Department each year by May 31st for the prior calendar year period beginning January 1st and ending December 31st. The Annual MWPP Reports shall contain a list of all known wastewater discharge points that are not authorized as permitted outfalls and any discharges that occur prior to the headworks of the wastewater treatment plant covered by this permit. The MWPP shall also provide a list of any discharges reported in accordance with Provision I.C.2.a. The Permittee shall submit with its Annual MWPP Report the following information for each known unpermitted discharge that occurs:
 - (1) The cause of the discharge;
 - (2) Date, duration and volume of discharge (estimate if unknown);
 - (3) Description of the source (e.g., manhole, lift station);
 - (4) Location of the discharge, by street address or any other appropriate method;
 - (5) The ultimate destination of the flow (e.g., surface waterbody, municipal separate storm sewer to surface waterbody). Location should be shown on a USGS quad sheet or copy thereof; and
 - (6) Corrective actions or plans to eliminate future discharges.
- f. The Permittee shall report SSO and other illicit or anomalous discharge events on Form 415 in accordance with Part I.C.2.a. This form is available on the ADEM web page or upon request from the Permittee.

D. OTHER REPORTING AND NOTIFICATION REQUIREMENTS

1. Anticipated Noncompliance

The Permittee shall give the Director written advance notice of any planned changes or other circumstances regarding a facility which may result in noncompliance with permit requirements.

2. Termination of Discharge

The Permittee shall notify the Director, in writing, when all discharges from any point source(s) identified in Provision I. A. of this permit have permanently ceased. This notification shall serve as sufficient cause for instituting procedures for modification or termination of the permit.

- 3. Updating Information
 - a. The Permittee shall inform the Director of any change in the Permittee's mailing address or telephone number or in the Permittee's designation of a facility contact or office having the authority and responsibility to prevent and abate violations of the AWPCA, the Department's Rules and the terms and conditions of this permit, in writing, no later than ten (10) days after such change. Upon request of the Director or his designee, the Permittee shall furnish the Director with an update of any information provided in the permit application.
 - b. If the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information with a written explanation for the mistake and/or omission.
- 4. Duty to Provide Information

The Permittee shall furnish to the Director, within a reasonable time, any information which the Director or his designee may request to determine whether cause exists for modifying, revoking and re-issuing, suspending, or terminating this permit, in whole or in part, or to determine compliance with this permit.

E. SCHEDULE OF COMPLIANCE

1. Compliance with discharge limits

The Permittee shall achieve compliance with the discharge limitations specified in Provision I. A. in accordance with the following schedule:

COMPLIANCE SHALL BE ATTAINED ON THE EFFECTIVE DATE OF THIS PERMIT

2. Schedule

No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II OTHER REQUIREMENTS, RESPONSIBILITIES, AND DUTIES

A. OPERATIONAL AND MANAGEMENT REQUIREMENTS

1. Facilities Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit.

Best Management Practices (BMP)

- a. Dilution water shall not be added to achieve compliance with discharge limitations except when the Director or his designee has granted prior written authorization for dilution to meet water quality requirements.
- b. The Permittee shall prepare, implement, and maintain a Spill Prevention, Control and Countermeasures (SPCC) Plan in accordance with 40 C.F.R. Section 112 if required thereby.
- c. The Permittee shall prepare, submit for approval and implement a BMP Plan for containment of any or all process liquids or solids, in a manner such that these materials do not present a significant potential for discharge, if so required by the Director or his designee. When submitted and approved, the BMP Plan shall become a part of this permit and all requirements of the BMP Plan shall become requirements of this permit.

3. Certified Operator

The Permittee shall not operate any wastewater treatment plant unless the competency of the operator to operate such plant has been duly certified by the Director pursuant to AWPCA, and meets the requirements specified in ADEM Administrative Code, Rule 335-10-1.

B. OTHER RESPONSIBILITIES

1. Duty to Mitigate Adverse Impacts

The Permittee shall promptly take all reasonable steps to mitigate and minimize or prevent any adverse impact on human health or the environment resulting from noncompliance with any discharge limitation specified in Provision I. A. of this permit, including such accelerated or additional monitoring of the discharge and/or the receiving waterbody as necessary to determine the nature and impact of the noncomplying discharge.

Right of Entry and Inspection

The Permittee shall allow the Director, or an authorized representative, upon the presentation of proper credentials and other documents as may be required by law to:

- (1) Enter upon the Permittee's premises where a regulated facility or activity or point source is located or conducted, or where records must be kept under the conditions of the permit;
- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permits;
- (3) Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the permit; and
- (4) Sample or monitor, for the purposes of assuring permit compliance or as otherwise authorized by the AWPCA, any substances or parameters at any location.

C. BYPASS AND UPSET

1. Bypass

- a. Any bypass is prohibited except as provided in b. and c. below:
- b. A bypass is not prohibited if:
 - (1) It does not cause any discharge limitation specified in Provision I. A. of this permit to be exceeded;
 - (2) It enters the same receiving stream as the permitted outfall; and
 - (3) It is necessary for essential maintenance of a treatment or control facility or system to assure efficient operation of such facility or system.
- c. A bypass is not prohibited and need not meet the discharge limitations specified in Provision I. A. of this permit if:
 - (1) It is unavoidable to prevent loss of life, personal injury, or severe property damage;

- (2) There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime (this condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance); and
- (3) The Permittee submits a written request for authorization to bypass to the Director at least ten (10) days prior to the anticipated bypass (if possible), the Permittee is granted such authorization, and the Permittee complies with any conditions imposed by the Director to minimize any adverse impact on human health or the environment resulting from the bypass.
- d. The Permittee has the burden of establishing that each of the conditions of Provision II. C. 1. b. or c. have been met to qualify for an exception to the general prohibition against bypassing contained in a. and an exemption, where applicable, from the discharge limitations specified in Provision I. A. of this permit.

Upset

- a. A discharge which results from an upset need not meet the discharge limitations specified in Provision I. A. of this permit if:
 - (1) No later than 24-hours after becoming aware of the occurrence of the upset, the Permittee orally reports the occurrence and circumstances of the upset to the Director or his designee; and
 - (2) No later than five (5) days after becoming aware of the occurrence of the upset, the Permittee furnishes the Director with evidence, including properly signed, contemporaneous operating logs, or other relevant evidence, demonstrating that:
 - (i) An upset occurred;
 - (ii) The Permittee can identify the specific cause(s) of the upset;
 - (iii) The Permittee's facility was being properly operated at the time of the upset; and
 - (iv) The Permittee promptly took all reasonable steps to minimize any adverse impact on human health or the environment resulting from the upset.
- b. The Permittee has the burden of establishing that each of the conditions of Provision II C. 2. a. of this permit have been met to qualify for an exemption from the discharge limitations specified in Provision I. A. of this permit.

D. DUTY TO COMPLY WITH PERMIT, RULES, AND STATUTES

1. Duty to Comply

- a. The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the AWPCA and the FWPCA and is grounds for enforcement action, for permit termination, revocation and reissuance, suspension, modification, or denial of a permit renewal application.
- b. The necessity to halt or reduce production or other activities in order to maintain compliance with the conditions of the permit shall not be a defense for a Permittee in an enforcement action.
- c. The discharge of a pollutant from a source not specifically identified in the permit application for this permit and not specifically included in the description of an outfall in this permit is not authorized and shall constitute noncompliance with this permit.
- d. The Permittee shall take all reasonable steps, including cessation of production or other activities, to minimize or prevent any violation of this permit or to minimize or prevent any adverse impact of any permit violation.
- e. Nothing in this permit shall be construed to preclude or negate the Permittee's responsibility to apply for, obtain, or comply with other Federal, State, or Local Government permits, certifications, or licenses or to preclude from obtaining other federal, state, or local approvals, including those applicable to other ADEM programs and regulations.

2. Removed Substances

Solids, sludges, filter backwash, or any other pollutant or other waste removed in the course of treatment or control of wastewaters shall be disposed of in a manner that complies with all applicable Department Rules.

3. Loss or Failure of Treatment Facilities

Upon the loss or failure of any treatment facilities, including but not limited to the loss or failure of the primary source of power of the treatment facility, the Permittee shall, where necessary to maintain compliance with the discharge limitations specified in Provision I. A. of this permit, or any other terms or conditions of this permit, cease, reduce, or otherwise control production and/or all discharges until treatment is restored. If control of discharge during loss or failure of the

primary source of power is to be accomplished by means of alternate power sources, standby generators, or retention of inadequately treated effluent, the Permittee must furnish to the Director within six months a certification that such control mechanisms have been installed.

4. Compliance With Statutes and Rules

- a. This permit has been issued under ADEM Administrative Code, Chapter 335-6-6. All provisions of this chapter, that are applicable to this permit, are hereby made a part of this permit. A copy of this chapter may be obtained for a small charge from the Office of General Counsel, Alabama Department of Environmental Management, 1400 Coliseum Boulevard Montgomery, Alabama 36110-2059.
- b. This permit does not authorize the noncompliance with or violation of any Laws of the State of Alabama or the United States of America or any regulations or rules implementing such laws. FWPCA, 33 U.S.C. Section 1319, and Code of Alabama 1975, Section 22-22-14.

E. PERMIT TRANSFER, MODIFICATION, SUSPENSION, REVOCATION, AND REISSUANCE

- 1. Duty to Reapply or Notify of Intent to Cease Discharge
 - a. If the Permittee intends to continue to discharge beyond the expiration date of this permit, the Permittee shall file a complete permit application for reissuance of this permit at least 180 days prior to its expiration. If the Permittee does not intend to continue discharge beyond the expiration of this permit, the Permittee shall submit written notification of this intent which shall be signed by an individual meeting the signatory requirements for a permit application as set forth in ADEM Administrative Code Rule 335-6-6-.09.
 - b. Failure of the Permittee to apply for reissuance at least 180 days prior to permit expiration will void the automatic continuation of the expiring permit provided by ADEM Administrative Code Rule 335-6-6-.06 and should the permit not be reissued for any reason any discharge after expiration of this permit will be an unpermitted discharge.

Change in Discharge

Prior to any facility expansion, process modification or any significant change in the method of operation of the Permittee's treatment works, the Permittee shall provide the Director with information concerning the planned expansion, modification or change. The Permittee shall apply for a permit modification at least 180 days prior to any facility expansion, process modification, any significant change in the method of operation of the Permittee's treatment works or other actions that could result in the discharge of additional pollutants or increase the quantity of a discharged pollutant or could result in an additional discharge point. This condition applies to pollutants that are or that are not subject to discharge limitations in this permit. No new or increased discharge may begin until the Director has authorized it by issuance of a permit modification or a reissued permit.

3. Transfer of Permit

This permit may not be transferred or the name of the Permittee changed without notice to the Director and subsequent modification or revocation and reissuance of the permit to identify the new Permittee and to incorporate any other changes as may be required under the FWPCA or AWPCA. In the case of a change in name, ownership or control of the Permittee's premises only, a request for permit modification in a format acceptable to the Director is required at least 30 days prior to the change. In the case of a change in name, ownership or control of the Permittee's premises accompanied by a change or proposed change in effluent characteristics, a complete permit application is required to be submitted to the Director at least 180 days prior to the change. Whenever the Director is notified of a change in name, ownership or control, he may decide not to modify the existing permit and require the submission of a new permit application.

4. Permit Modification and Revocation

- a. This permit may be modified or revoked and reissued, in whole or in part, during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to revoke and reissue this permit instead of terminating the permit;
 - (2) If a request to transfer this permit has been received, the Director may decide to revoke and reissue or to modify the permit; or
 - (3) If modification or revocation and reissuance is requested by the Permittee and cause exists, the Director may grant the request.
- b. This permit may be modified during its term for cause, including but not limited to, the following:
 - (1) If cause for termination under Provision II. E. 5. of this permit exists, the Director may choose to modify this permit instead of terminating this permit;

- (2) There are material and substantial alterations or additions to the facility or activity generating wastewater which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit;
- (3) The Director has received new information that was not available at the time of permit issuance and that would have justified the application of different permit conditions at the time of issuance;
- (4) A new or revised requirement(s) of any applicable standard or limitation is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA;
- (5) Errors in calculation of discharge limitations or typographical or clerical errors were made;
- (6) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, when the standards or regulations on which the permit was based have been changed by promulgation of amended standards or regulations or by judicial decision after the permit was issued;
- (7) To the extent allowed by ADEM Administrative Code, Rule 335-6-6-.17, permits may be modified to change compliance schedules;
- (8) To agree with a granted variance under 30l(c), 30l(g), 30l(h), 30l(k), or 3l6(a) of the FWPCA or for fundamentally different factors;
- (9) To incorporate an applicable 307(a) FWPCA toxic effluent standard or prohibition;
- (10) When required by the reopener conditions in this permit;
- (11) When required under 40 CFR 403.8(e) (compliance schedule for development of pretreatment program);
- (12) Upon failure of the state to notify, as required by Section 402(b)(3) of the FWPCA, another state whose waters may be affected by a discharge permitted by this permit;
- (13) When required to correct technical mistakes, such as errors in calculation, or mistaken interpretations of law made in determining permit conditions; or
- (14) When requested by the Permittee and the Director determines that the modification has cause and will not result in a violation of federal or state law, regulations or rules.

5. Termination

This permit may be terminated during its term for cause, including but not limited to, the following:

- a. Violation of any term or condition of this permit;
- The Permittee's misrepresentation or failure to disclose fully all relevant facts in the permit application or during the
 permit issuance process or the Permittee's misrepresentation of any relevant facts at any time;
- c. Materially false or inaccurate statements or information in the permit application or the permit;
- d. A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge;
- e. The Permittee's discharge threatens human life or welfare or the maintenance of water quality standards;
- Permanent closure of the facility generating the wastewater permitted to be discharged by this permit or permanent cessation of wastewater discharge;
- g. New or revised requirements of any applicable standard or limitation that is promulgated under Sections 301(b)(2)(C), (D), (E), and (F), and 307(a)(2) of the FWPCA that the Director determines cannot be complied with by the Permittee; or
- h. Any other cause allowed by the ADEM Administrative Code, Chapter 335-6-6.

Suspension

This permit may be suspended during its term for noncompliance until the Permittee has taken action(s) necessary to achieve compliance.

7. Stay

The filing of a request by the Permittee for modification, suspension or revocation of this permit, in whole or in part, does not stay any permit term or condition.

F. COMPLIANCE WITH TOXIC POLLUTANT STANDARD OR PROHIBITION

If any applicable effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the FWPCA, 33 U.S.C. Section 1317(a), for a toxic pollutant discharged by the Permittee, and such standard or prohibition is more stringent than any discharge limitation on the pollutant specified in Provision I. A. of this permit or controls a pollutant not limited in Provision I. A. of this permit, this permit shall be modified to conform to the toxic pollutant effluent standard or prohibition, and the Permittee shall be notified of such modification. If this permit has not been modified to conform to the toxic pollutant effluent standard or prohibition before the effective date of such standard or prohibition, the Permittee shall attain compliance with the requirements of the standard or prohibition within the time period required by the standard or prohibition and shall continue to comply with the standard or prohibition until this permit is modified or reissued.

G. NOTICE TO DIRECTOR OF INDUSTRIAL USERS

- 1. The Permittee shall not allow the introduction of wastewater, other than domestic wastewater, from a new direct discharger prior to approval and permitting, if applicable, of the discharge by the Department.
- The Permittee shall not allow an existing indirect discharger to increase the quantity or change the character of its wastewater, other than domestic wastewater, prior to approval and permitting, if applicable, of the increased discharge by the Department.
- 3. The Permittee shall report to the Department any adverse impact caused or believed to be caused by an indirect discharger on the treatment process, quality of discharged water, or quality of sludge. Such report shall be submitted within seven days of the Permittee becoming aware of the adverse impacts.

H. PROHIBITIONS

The Permittee shall not allow, and shall take effective enforcement action to prevent and terminate, the introduction of any of the following into its treatment works by industrial users:

- 1. Pollutants which create a fire or explosion hazard in the treatment works;
- 2. Pollutants which will cause corrosive structural damage to the treatment works, or dischargers with a pH lower than 5.0 s.u., unless the works are specifically designed to accommodate such discharges;
- 3. Solid or viscous pollutants in amounts which will cause obstruction of flow in sewers, or other interference with the treatment works;
- 4. Pollutants, including oxygen demanding pollutants, released in a discharge of such volume or strength as to cause interference in the treatment works;
- 5. Heat in amounts which will inhibit biological activity in the treatment plant resulting in interference or in such quantities that the temperature of the treatment plant influent exceeds 40°C (104° F) unless the treatment plant is designed to accommodate such heat; and
- Pollutants in amounts which exceed any applicable pretreatment standard under Section 307 of FWPCA or any approved revisions thereof.

PART III ADDITIONAL REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. CIVIL AND CRIMINAL LIABILITY

1. Tampering

Any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained or performed under the permit shall, upon conviction, be subject to penalties as provided by the AWPCA.

2. False Statements

Any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be subject to penalties as provided by the AWPCA.

3. Permit Enforcement

- a. Any NPDES permit issued or reissued by the Department is a permit for the purpose of the AWPCA and the FWPCA, and as such, any terms, conditions, or limitations of the permit are enforceable under state and federal law.
- b. Any person required to have a NPDES permit pursuant to ADEM Administrative Code Chapter 335-6-6 and who discharges pollutants without said permit, who violates the conditions of said permit, who discharges pollutants in a manner not authorized by the permit, or who violates applicable orders of the Department or any applicable rule or standard of the Department, is subject to any one or combination of the following enforcement actions under applicable state statutes:
 - (1) An administrative order requiring abatement, compliance, mitigation, cessation, clean-up, and/or penalties;
 - (2) An action for damages;
 - (3) An action for injunctive relief; or
 - (4) An action for penalties.
- c. If the Permittee is not in compliance with the conditions of an expiring or expired permit the Director may choose to do any or all of the following provided the Permittee has made a timely and complete application for reissuance of the permit:
 - (1) Initiate enforcement action based upon the permit which has been continued;
 - (2) Issue a notice of intent to deny the permit reissuance. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;
 - (3) Reissue the new permit with appropriate conditions; or
 - (4) Take other actions authorized by these rules and AWPCA.

4. Relief from Liability

Except as provided in Provision II. C. 1. (Bypass) and Provision II. C. 2. (Upset), nothing in this permit shall be construed to relieve the Permittee of civil or criminal liability under the AWPCA or FWPCA for noncompliance with any term or condition of this permit.

B. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities or penalties to which the Permittee is or may be subject under Section 311 of the FWPCA, 33 U.S.C. Section 1321.

C. PROPERTY AND OTHER RIGHTS

This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to persons or property or invasion of other private rights, or any infringement of federal, state, or local laws or regulations, nor does it authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any waters of the state or of the United States.

D. AVAILABILITY OF REPORTS

Except for data determined to be confidential under <u>Code of Alabama</u> 1975, Section 22-22-9(c), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential.

E. EXPIRATION OF PERMITS FOR NEW OR INCREASED DISCHARGES

- I. If this permit was issued for a new discharger or new source, this permit shall expire eighteen months after the issuance date if construction of the facility has not begun during the eighteen-month period.
- 2. If this permit was issued or modified to allow the discharge of increased quantities of pollutants to accommodate the modification of an existing facility and if construction of this modification has not begun during the eighteen month period after issuance of this permit or permit modification, this permit shall be modified to reduce the quantities of pollutants allowed to be discharged to those levels that would have been allowed if the modification of the facility had not been planned.
- 3. Construction has begun when the owner or operator has:
 - a. Begun, or caused to begin as part of a continuous on-site construction program:
 - (1) Any placement, assembly, or installation of facilities or equipment; or
 - (2) Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which are necessary for the placement, assembly, or installation of new source facilities or equipment; or
 - b. Entered into a binding contractual obligation for the purpose of placement, assembly, or installation of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.
- 4. Final plans and specifications for a waste treatment facility at a new source or new discharger, or a modification to an existing waste treatment facility must be submitted to and examined by the Department prior to initiating construction of such treatment facility by the Permittee.
- 5. Upon completion of construction of waste treatment facilities and prior to operation of such facilities, the Permittee shall submit to the Department a certification from a registered professional engineer, licensed to practice in the State of Alabama, that the treatment facilities have been built according to plans and specifications submitted to and examined by the Department.

F. COMPLIANCE WITH WATER QUALITY STANDARDS

- On the basis of the Permittee's application, plans, or other available information, the Department has determined that compliance with the terms and conditions of this permit should assure compliance with the applicable water quality standards.
- 2. Compliance with permit terms and conditions notwithstanding, if the Permittee's discharge(s) from point sources identified in Provision I. A. of this permit cause or contribute to a condition in contravention of state water quality standards, the Department may require abatement action to be taken by the Permittee in emergency situations or modify the permit pursuant to the Department's Rules, or both.
- 3. If the Department determines, on the basis of a notice provided pursuant to this permit or any investigation, inspection or sampling, that a modification of this permit is necessary to assure maintenance of water quality standards or compliance with other provisions of the AWPCA or FWPCA, the Department may require such modification, and, in cases of emergency, the Director may prohibit the discharge until the permit has been modified.

G. GROUNDWATER

Unless specifically authorized under this permit, this permit does not authorize the discharge of pollutants to groundwater. Should a threat of groundwater contamination occur, the Director may require groundwater monitoring to properly assess the degree of the problem, and the Director may require that the Permittee undertake measures to abate any such discharge and/or contamination.

H. DEFINITIONS

- Average monthly discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).
- 2. Average weekly discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week (zero discharge days shall not be included in the number of "daily discharges" measured and a less than detectable test result shall be treated as a concentration of zero if the most sensitive EPA approved method was used).

- Arithmetic Mean means the summation of the individual values of any set of values divided by the number of individual
 values.
- 4. AWPCA means the Alabama Water Pollution Control Act.
- 5. BOD means the five-day measure of the pollutant parameter biochemical oxygen demand.
- 6. Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
- 7. CBOD means the five-day measure of the pollutant parameter carbonaceous biochemical oxygen demand.
- Daily discharge means the discharge of a pollutant measured during any consecutive 24-hour period in accordance with the sample type and analytical methodology specified by the discharge permit.
- 9. Daily maximum means the highest value of any individual sample result obtained during a day.
- 10. Daily minimum means the lowest value of any individual sample result obtained during a day.
- 11. Day means any consecutive 24-hour period.
- 12. Department means the Alabama Department of Environmental Management.
- 13. Director means the Director of the Department.
- 14. Discharge means "[t]he addition, introduction, leaking, spilling or emitting of any sewage, industrial waste, pollutant or other waste into waters of the state". <u>Code of Alabama</u> 1975, Section 22-22-1(b)(9).
- Discharge Monitoring Report (DMR) means the form approved by the Director to accomplish reporting requirements of an NPDES permit.
- 16. DO means dissolved oxygen.
- 17. 8HC means 8-hour composite sample, including any of the following:
 - a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 1 hour over a period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
 - b. A sample continuously collected at a constant rate over period of not less than 8 hours between the hours of 6:00 a.m. and 6:00 p.m. If the sampling period exceeds 8 hours, sampling may be conducted beyond the 6:00 a.m. to 6:00 p.m. period.
- 18. EPA means the United States Environmental Protection Agency.
- 19. FC means the pollutant parameter fecal coliform.
- 20. Flow means the total volume of discharge in a 24-hour period.
- 21. FWPCA means the Federal Water Pollution Control Act.
- 22. Geometric Mean means the Nth root of the product of the individual values of any set of values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered one (1).
- 23. Grab Sample means a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the discharge.
- 24. Indirect Discharger means a nondomestic discharger who discharges pollutants to a publicly owned treatment works or a privately owned treatment facility operated by another person.
- 25. Industrial User means those industries identified in the Standard Industrial Classification manual, Bureau of the Budget 1967, as amended and supplemented, under the category "Division D Manufacturing" and such other classes of significant waste producers as, by regulation, the Director deems appropriate.
- 26. MGD means million gallons per day.
- 27. Monthly Average means the arithmetic mean of all the composite or grab samples taken for the daily discharges collected in one month period. The monthly average for flow is the arithmetic mean of all flow measurements taken in a one month period.
- 28. New Discharger means a person, owning or operating any building, structure, facility or installation:
 - a. From which there is or may be a discharge of pollutants;
 - From which the discharge of pollutants did not commence prior to August 13, 1979, and which is not a new source;
 and

- c. Which has never received a final effective NPDES permit for dischargers at that site.
- 29. NH3-N means the pollutant parameter ammonia, measured as nitrogen.
- 30. Notifiable sanitary sewer overflow means an overflow, spill, release or diversion of wastewater from a sanitary sewer system that:
 - Reaches a surface water of the State; or
 - b. May imminently and substantially endanger human health based on potential for public exposure including but not limited to close proximity to public or private water supply wells or in areas where human contact would be likely to occur.
- 31. Permit application means forms and additional information that is required by ADEM Administrative Code Rule 335-6-6-.08 and applicable permit fees.
- 32. Point source means "any discernible, confined and discrete conveyance, including but not limited to any pipe, channel, ditch, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or vessel or other floating craft, . . . from which pollutants are or may be discharged." Section 502(14) of the FWPCA, 33 U.S.C. Section 1362(14).
- 33. Pollutant includes for purposes of this permit, but is not limited to, those pollutants specified in Code of Alabama 1975, Section 22-22-1(b)(3) and those effluent characteristics specified in Provision I. A. of this permit.
- 34. Privately Owned Treatment Works means any devices or system which is used to treat wastes from any facility whose operator is not the operator of the treatment works, and which is not a "POTW".
- 35. Publicly Owned Treatment Works means a wastewater collection and treatment facility owned by the State, municipality, regional entity composed of two or more municipalities, or another entity created by the State or local authority for the purpose of collecting and treating municipal wastewater.
- 36. Receiving Stream means the "waters" receiving a "discharge" from a "point source".
- 37. Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- 38. Significant Source means a source which discharges 0.025 MGD or more to a POTW or greater than five percent of the treatment work's capacity, or a source which is a primary industry as defined by the U.S. EPA or which discharges a priority or toxic pollutant.
- 39. TKN means the pollutant parameter Total Kjeldahl Nitrogen.
- 40. TON means the pollutant parameter Total Organic Nitrogen.
- 41. TRC means Total Residual Chlorine.
- 42. TSS means the pollutant parameter Total Suspended Solids.
- 43. 24HC means 24-hour composite sample, including any of the following:
 - a. The mixing of at least 8 equal volume samples collected at constant time intervals of not more than 2 hours over a period of 24 hours;
 - b. A sample collected over a consecutive 24-hour period using an automatic sampler composite to one sample. As a minimum, samples shall be collected hourly and each shall be no more than one twenty-fourth (1/24) of the total sample volume collected; or
 - A sample collected over a consecutive 24-hour period using an automatic composite sampler composited proportional to flow.
- 44. Upset means an exceptional incident in which there is an unintentional and temporary noncompliance with technology-based permit discharge limitations because of factors beyond the reasonable control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.
- 45. Waters means "[a]ll waters of any river, stream, watercourse, pond, lake, coastal, ground, or surface water, wholly or partially within the state, natural or artificial. This does not include waters which are entirely confined and retained completely upon the property of a single individual, partnership, or corporation unless such waters are used in interstate commerce." Code of Alabama 1975, Section 22-22-1(b)(2). Waters "include all navigable waters" as defined in Section 502(7) of the FWPCA, 22 U.S.C. Section 1362(7), which are within the State of Alabama.
- 46. Week means the period beginning at twelve midnight Saturday and ending at twelve midnight the following Saturday.

47. Weekly (7-day and calendar week) Average – is the arithmetic mean of all samples collected during a consecutive 7-day period or calendar week, whichever is applicable. The calendar week is defined as beginning on Sunday and ending on Saturday. Weekly averages shall be calculated for all calendar weeks with Saturdays in the month. If a calendar week overlaps two months (i.e., the Sunday is in one month and the Saturday in the following month), the weekly average calculated for the calendar week shall be included in the data for the month that contains the Saturday.

I. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART IV SPECIFIC REQUIREMENTS, CONDITIONS, AND LIMITATIONS

A. SLUDGE MANAGEMENT PRACTICES

1. Applicability

- a. Provisions of Provision IV.A. apply to a sewage sludge generated or treated in treatment works that is applied to agricultural and non-agricultural land, or that is otherwise distributed, marketed, incinerated, or disposed in landfills or surface disposal sites.
- b. Provisions of Provision IV.A. do not apply to:
 - (1) Sewage sludge generated or treated in a privately owned treatment works operated in conjunction with industrial manufacturing and processing facilities and which receive no domestic wastewater.
 - (2) Sewage sludge that is stored in surface impoundments located at the treatment works prior to ultimate disposal.

2. Submitting Information

- a. If applicable, the Permittee must submit annually with its Municipal Water Pollution Prevention (MWPP) report the following:
 - (1) Type of sludge stabilization/digestion method;
 - (2) Daily or annual sludge production (dry weight basis);
 - (3) Ultimate sludge disposal practice(s).
- b. The Permittee shall provide sludge inventory data to the Director as requested. These data may include, but are not limited to, sludge quantity and quality reported in Provision IV.A.2.a as well as other specific analyses required to comply with State and Federal laws regarding solid and hazardous waste disposal.
- c. The Permittee shall give prior notice to the Director of at least 30 days of any change planned in the Permittee's sludge disposal practices.

3. Reopener or Modification

- a. Upon review of information provided by the Permittee as required by Provision IV.A.2. or, based on the results of an on-site inspection, the permit shall be subject to modification to incorporate appropriate requirements.
- b. If an applicable "acceptable management practice" or if a numerical limitation for a pollutant in sewage sludge promulgated under Section 405 of FWPCA is more stringent than the sludge pollutant limit or acceptable management practice in this permit. This permit shall be modified or revoked or reissued to conform to requirements promulgated under Section 405. The Permittee shall comply with the limitations no later than the compliance deadline specified in applicable regulations as required by Section 405 of FWPCA.

B. EFFLUENT TOXICITY LIMITATIONS AND BIOMONITORING REQUIREMENTS – ACUTE DIFFUSER

1. Acute Toxicity Test

- a. The permittee shall perform 48-hour acute toxicity tests on the wastewater discharges required to be tested for acute toxicity by Part I of this permit.
- b. The samples shall be diluted using an appropriate control water, to the Instream Waste Concentration (IWC) which is 7 percent effluent. The IWC is the actual concentration of effluent, after mixing, in the receiving stream during a 1-day, 10-year flow period.
- c. Any test where survival in the effluent concentration is less than 90% and statistically lower than the control indicates acute toxicity and constitutes noncompliance with this permit.

2. General Test Requirements:

- a. A 24-hour composite sample shall be obtained for use in above biomonitoring tests. The holding time for each sample shall not exceed 36 hours. The control water shall be a water prepared in the laboratory in accordance with the EPA procedure described in EPA 821-R-02-012 or most current edition or another control water selected by the permittee and approved by the Department.
- b. Effluent toxicity tests in which the control survival is less than 90% or in which the other requirements of the EPA Test Procedure are not met shall be unacceptable and the permittee shall rerun the tests as soon as practical within the monitoring period.
- c. In the event of an invalid test, upon subsequent completion of a valid test, the results of all tests, valid and invalid, are reported with an explanation of the tests performed and results.

d. Toxicity tests shall be conducted for the duration of this permit in the month of **October**. Should results from the Annual Toxicity test indicate that Outfall 0011 exhibits acute toxicity, then the Permittee must conduct the follow-up testing described in Part IV.B.4.a. In addition, the Permittee may then also be required to conduct toxicity testing in the months of March, June, September, and December.

3. Reporting Requirements:

- a. The permittee shall notify the Department in writing within 48 hours after toxicity has been demonstrated by the scheduled test(s).
- b. Biomonitoring test results obtained during each monitoring period shall be summarized and reported using the appropriate Discharge Monitoring Report (DMR) form approved by the Department. In accordance with Section 2 of this part, an effluent toxicity report containing the information in Section 2 and 7 shall be included with the DMR. Two copies of the test results must be submitted to the Department no later than 28 days after the month in which the tests were performed.

4. Additional Testing Requirements:

- a. If acute toxicity is indicated (noncompliance with permit limit), the permittee shall perform four additional valid acute toxicity tests in accordance with these procedures to determine the extent and duration of the toxic condition. The toxicity tests shall be performed once per week and shall be performed during the first four calendar weeks following the date on which the permittee became aware of the permit noncompliance and the results of these tests shall be submitted no later than 28 days following the month in which the tests were performed.
- b. After evaluation of the results of the follow-up tests, the Department will determine if additional action is appropriate and may require additional testing and/or toxicity reduction measures. The permittee may be required to perform a Toxicity Identification Evaluation (TIE) and/or a Toxicity Reduction Evaluation (TRE). The TIE/TRE shall be performed in accordance with the most recent protocols/guidance outlined by EPA (e.g., EPA/600/2-88/062, EPA/600/R-92/080, EPA/600/R-92/081, EPA/833/B-99/022 and/or EPA/600/6-91/005F, etc.).

Test Methods:

The tests shall be performed in accordance with the latest edition of the "EPA Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms" and shall be performed using the fathead minnow (Pimephales promelas) and the cladoceran (Ceriodaphnia dubia).

6. Effluent Toxicity Testing Reports

The following information shall be submitted with each discharge monitoring report unless otherwise directed by the Department. The Department may at any time suspend or reinstate this requirement or may increase or decrease the frequency of submittals.

- a. Introduction
 - (1) Facility Name, location and county
 - (2) Permit number
 - (3) Toxicity testing requirements of permit
 - (4) Name of receiving water body
 - (5) Contract laboratory information (if tests are performed under contract)
 - (a) Name of firm
 - (b) Telephone number
 - (c) Address
 - (6) Objective of test

b. Plant Operations

- (1) Discharge operating schedule (if other than continuous)
- (2) Volume of discharge during sample collection to include Mean daily discharge on sample collection date (MGD, CFS, GPM)
- (3) Design flow of treatment facility at time of sampling
- c. Source of Effluent and Dilution Water
 - (1) Effluent samples
 - (a) Sampling point
 - (b) Sample collection dates and times (to include composite sample start and finish times)
 - (c) Sample collection method
 - (d) Physical and chemical data of undiluted effluent samples (water temperature, pH, alkalinity, hardness, specific conductance, total residual chlorine (if applicable), etc.)
 - (e) Sample temperature when received at the laboratory

- (f) Lapsed time from sample collection to delivery
- (g) Lapsed time from sample collection to test intiation
- (2) Dilution Water Samples
 - (a) Source
 - (b) Collection date(s) and time(s) (where applicable)
 - (c) Pretreatment
 - (d) Physical and chemical characteristics (pH, hardness, water temperature, alkalinity, specific conductance, etc.)

d. Test Conditions

- (1) Toxicity test method utilized
- (2) End point(s) of test
- (3) Deviations from referenced method, if any, and reason(s)
- (4) Date and time test started
- (5) Date and time test terminated
- (6) Type and volume of test chambers
- (7) Volume of solution per chamber
- (8) Number of organisms per test chamber
- (9) Number of replicate test chambers per treatment
- (10) Test temperature, pH and dissolved oxygen as recommended by the method (to include ranges)
- (11) Feeding frequency, and amount and type of food
- (12) Light intensity (mean)

e. Test Organisms

- (1) Scientific name
- (2) Life stage and age
- (3) Source
- (4) Disease treatment (if applicable)

f. Ouality Assurance

- (1) Reference toxicant utilized and source
- (2) Date and time of most recent acute reference toxicant test(s), raw data, and current cusum chart(s)
- (3) Dilution water utilized in reference toxicant test
- (4) Results of reference toxicant test(s) (LC50, etc.), report concentration-response relationship and evaluate test sensitivity. The most recent reference toxicant test shall be conducted within 30-days of the routine.
- (5) Physical and chemical methods utilized

g. Results

- (1) Provide raw toxicity data in tabular form, including daily records of affected organisms in each concentration (including controls) and replicate
- (2) Provide table of endpoints: LC50, NOEC, Pass/Fail (as required in the applicable NPDES permit)
- (3) Indicate statistical methods used to calculate endpoints
- (4) Provide all physical and chemical data required by method
- (5) Results of test(s) (LC50, NOEC, Pass/Fail, etc.), report concentration-response relationship (definitive test only), report percent minimum significant difference (PMSD).

h. Conclusions and Recommendations

- (1) Relationship between test endpoints and permit limits
- (2) Action to be taken

1/ Adapted from "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms", Fifth Edition, October 2002 (EPA 821-R-02-012), Section 12, Report Preparation

C. TOTAL RESIDUAL CHLORINE (TRC) REQUIREMENTS

- 1. If chlorine is not utilized for disinfection purposes, TRC monitoring under Part I of this Permit is not required. If TRC monitoring is not required, "NODI = 9" (conditional monitoring) should be reported on the DMR forms.
- 2. Testing for TRC shall be conducted according to either the amperometric titration method or the DPD colorimetric method as specified in Section 408(C) or (E), Standards Methods for the Examination of Water and Wastewater, 18th edition. If chlorine is not detected prior to actual discharge to the receiving stream using one of these methods (i.e., the analytical result is less than the detection level), the Permittee shall report on the DMR form "NODI = B" or "0". The Permittee shall then be considered to be in compliance with the daily maximum concentration limit for TRC.

- This permit contains a maximum allowable TRC level in the effluent. The Permittee is responsible for determining the
 minimum TRC level needed in the chlorine contact chamber to comply with <u>E.coli</u> limits. The effluent shall be
 dechlorinated if necessary to meet the maximum allowable effluent TRC level.
- 4. The sample collection point for effluent TRC shall be at a point downstream of the chlorine contact chamber (downstream of dechlorination if applicable). The exact location is to be approved by the Director.

D. PLANT CLASSIFICATION

The Permittee shall report to the Director within 30 days of the effective date of this permit, the name, address and operator number of the certified wastewater operator in responsible charge of the facility. Unless specified elsewhere in this permit, this facility shall be classified in accordance with ADEM Admin. Code R. 335-10-1-.03.

E. POLLUTANT SCANS

The Permittee shall sample and analyze for the pollutants listed in 40 CFR 122 Appendix J Table 2. The Permittee shall provide data from a minimum of three samples collected within the four and one half years prior to submitting a permit application. Samples must be representative of the seasonal variation in the discharge from each outfall.

F. STORM WATER REQUIREMENTS

- 1. Prohibitions
 - a. The Permittee shall not allow the discharge of non-storm water into permitted storm water outfall(s) unless said discharge is already subject to an NPDES permit.
 - Pollutants removed in the course of treatment or control shall be disposed in a manner that complies with all
 applicable Department rules and regulations.

2. Operational and Management Practices

The permittee shall prepare and implement a Storm Water Pollution Prevention (SWPP) Plan within one year of the effective date of this permit.

- a. In the SWPP Plan, the Permittee shall:
 - (1) Assess the treatment plant site by developing and presenting site drainage maps, materials inventory, and best management operational practices. The plan shall also include a description of all spill or leak sources;
 - (2) Describe mechanisms and procedures to prevent the contact of sewage sludge, screenings, raw or partially treated wastewater, or any other waste product or pollutant with storm water discharged from the facility;
 - (3) Provide for daily inspection on workdays of any structures that function to prevent storm water pollution or that remove pollutants from storm water;
 - (4) Provide for daily inspection of the facility in general to ensure that the SWPP Plan is continually implemented and effective;
 - (5) Include a Best Management Practices (BMP) Plan that, as a minimum, addresses housekeeping, preventative maintenance, spill prevention and response, and non-storm water discharges;
 - (6) Describe mechanisms and procedures to provide sediment control sufficient to prevent or control storm water pollution storm water by particles resulting from soil or sediment migration from the site due to significant clearing, grading, or excavation activities;
 - (7) Designate by position or name the person or persons responsible for the day to day implementation of the SWPP Plan; and
 - (8) Bear the signature of an individual meeting signatory requirements as defined in ADEM Administrative Code, Rule 335-6-6-.09.
- b. The Director or his designee may notify the permittee at any time that the SWPP Plan is deficient and will require correction of the deficiency. The permittee shall correct any SWPP Plan deficiency identified by the Director or his designee within 30 days of receipt of notification and shall certify to the Department that the correction has been made and implemented.

c. Administrative Procedures

 A copy of the SWPP Plan shall be maintained at the facility and shall be available for inspection by the Department.

- (2) A log of daily inspections required by Provision IV.F.2.a.(3.) of the permit shall be maintained at the facility and shall be made available for inspection by the Department upon request. The log shall contain records of all inspections performed and each daily entry shall be signed by the person performing the inspection.
- (3) The Permittee shall provide training for any personnel required to implement the SWPP Plan and shall retain documentation of such training at the facility. Training records for all personnel shall be available for inspection by the Department. Training shall be performed prior to the date implementation is required.

3. Monitoring Requirements

- a. Storm water discharged through each storm water outfall shall be sampled once per calendar year, using first flush grab samples (FFGS) collected during the first 30 minutes of discharge.
- b. The total volume of storm water discharged for the event must be monitored, including the date and duration (in hours) and rainfall (in inches) for the storm event(s) sampled. The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event must be a minimum of 72 hours. This information must be recorded as part of the sampling procedure and records retained in accordance with Provision I.B.5. of this permit. The volume may be measured using flow measurement devices or may be estimated using any method approved in writing by the Department.

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT WATER DIVISION – INDUSTRIAL AND MUNICIPAL SECTIONS NONCOMPLIANCE NOTIFICATION FORM

PERI	MITTEE NAME:		PERMIT	NO:
FAC	LITY LOCATION:	_		
DMR	REPORTING PERIOD:	-		
1.	DESCRIPTION OF DIS	CHARGE: (Include outfall numbe	er (s))	
2.	DESCRIPTION OF NON	N-COMPLIANCE: (Attach additio	onal pages if necessary):	
		LIST EFFLUENT VIOL	ATIONS (If applicable)	
	Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)	Result Reported (Include units)	Permit Limit (Include units)
	LIS	T MONITORING / REPORTI	ING VIOLATIONS (If ap	plicable)
	Outfall Number (s)	NONCOMPLIANCE PARAMETER(S)		/ Reporting Violation ride description)
3.	CAUSE OF NON-COMP	PLIANCE (Attach additional page	es if necessary):	
4.	PERIOD OF NONCOMF noncompliance is expec	PLIANCE: (Include exact date(s) ted to continue):	and time(s) or, if not correc	cted, the anticipated time the
5.		PS TAKEN AND/OR BEING TA PREVENT ITS RECURRENCE (MINATE THE NONCOMPLYING ecessary):
with a the p subm	a system designed to assure erson or persons who man itted is, to the best of my l	that qualified personnel properly age the system, or those perso	y gather and evaluate the in ons directly responsible for trate, and complete. I am a	r my direction or supervision in accordance formation submitted. Based on my inquiry of gathering the information, the information ware that there are significant penalties for iolations."
NAM	E AND TITLE OF RESPONS	SIBLE OFFICIAL (type or print)	1	r
SIGN	ATURE OF RESPONSIBLE	/ OFFICIAL / DATE SIGNED		
	M Form 42 1 09/05			

FACT SHEET

APPLICATION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT TO DISCHARGE TREATED WASTEWATERS TO WATERS OF THE STATE OF ALABAMA

Date: July 30, 2015 Prepared By:

NPDES Permit No. AL0057193

1. SYNOPSIS OF APPLICATION

a. Name and Address of Applicant and Location if Different From Mailing Address

Applicant Name and Address: UTILITIES BOARD OF THE CITY OF GREENSBORO

POST OFFICE BOX 546 GREENSBORO AL 36744 Facility Location:
Greensboro Lagoon
County Road 19
Greensboro, Alabama 36744

b. Description of Applicant's Facility or Activity Generating the Discharge

Municipal Wastewater Treatment Plant

For the Outfall latitude and longitude see the permit application

c. Applicant's Receiving Waters

Receiving Waters
BLACK WARRIOR RIVER
Colwell Creek

Classification
S, F&W,
F&W,

d. Quantitative Description of Proposed Discharges

See attached draft permit and permit application

2. PROPOSED DISCHARGE LIMITATIONS

See attached draft permit

3. STATEMENT OF BASIS FOR PERMIT LIMITATIONS

See attached permit rationale

4. PROCEDURES FOR THE FORMULATION OF FINAL DETERMINATIONS

a. Comment Period

The Alabama Department of Environmental Management proposes to issue an NPDES permit to this applicant subject to the effluent limitations and special conditions outlined above. These determinations are tentative.

Interested persons are invited to submit written comments on the permit application or on proposed determinations to the following address:

Russell A. Kelly, Chief Permits and Services Division Alabama Department of Environmental Management 1400 Coliseum Blvd (Mailing Address: Post Office Box 301463; Zip 36130-1463) Montgomery, Alabama 36110-2059 (334) 271-7714

All comments received prior to the closure of the public notice period (see attached public notice) will be considered in the formulation of final determinations with regard to this application.

b. Public Hearing

A written request for a public hearing may also be filed with the public notice period and must state the nature of the issues proposed to be raised in the hearing. The Director shall hold a public hearing whenever it is found, on the basis of hearing requests, that there exists a significant degree of public interest in the permit application or draft permit or group of permits. A request for a hearing should be filed with the Department at the following address:

Russell A. Kelly, Chief Permits and Services Division Alabama Department of Environmental Management 1400 Coliseum Blvd (Mailing Address: Post Office Box 301463; Zip 36130-1463) Montgomery, Alabama 36110-2059 (334) 271-7714

The Director may hold a public hearing if he determines that useful information and data may be obtained thereby. Public notice of such a hearing will be published at least 30 days prior to the hearing in a newspaper having general circulation in the geographical area of the discharge and will be sent to those on the ADEM mailing list at least thirty days prior to the hearing.

c. Issuance of the Permit

Upon the expiration of the comment period and, if applicable, completion of the public hearing process a response to all significant comments will be prepared. After consideration of all comments received during the notice period or as the result of a public hearing, the response to comments, and of the requirements of the Alabama Water Pollution Control Act and appropriate regulations, the Director will make a final decision regarding permit issuance. The permit record, including the response to comments, will be available to the public and an appointment to review the record may be made by writing the Permits and Services Division at the above address.

Unless a request for a stay of a permit or permit provision is granted, the proposed permit contained in the Director's determination shall be issued and effective; and will be the final action of the Alabama Department of Environmental Management.

d. Appeal Procedures

Any person adversely affected by the Director's final decision may submit an appeal or a request for a stay of the permit or one or more provisions of the permit. Such requests should be received by the Environmental Management Commission within thirty days of issuance of the permit. Requests should be submitted to the Chairperson at the following address:

Alabama Environmental Management Commission 1400 Coliseum Blvd (Mailing Address: Post Office Box 301463; Zip 36130-1463) Montgomery, Alabama 36110-2059

All requests must:

- State the name, mailing address and telephone number of the person making such request;
- (ii) Identify the interest of the appellant which is affected by the proposed issuance, denial or modification of the permit contained in the determination of the Director, and explain how and to what extent that interest would be directly and adversely affected by such determination;
- (iii) Identify any persons whom the request represents;
- (iv) State with particularity the issues proposed to be considered at the hearing;
- Include any terms and conditions with which the appellant proposes to revise or replace the determinations of the Director;
- (vi) State the name, mailing address and telephone number of the attorney for the person making the request, if represented by an attorney; and
- (vii) An original signature of the person making the request or such person's attorney.

The Commission may rule on the appeal or may hold an appeals hearing prior to making a ruling.

NPDES PERMIT RATIONALE

NPDES Permit No: **AL0057193** Date: May 27, 2015

Revision Date: July 30, 2015

Permit Applicant: Utilities Board of the City of Greensboro

Post Office Box 546

Greensboro, Alabama 36744

Location: Greensboro Lagoon

649 County Road 19

Greensboro, Alabama 36744

Draft Permit is: Initial Issuance:

Reissuance due to expiration: X Modification of existing permit: Revocation and Reissuance:

Basis for Limitations: Water Quality Model: CBOD₅, NH₃-N

Reissuance with no modification: pH, TSS, TRC, CBOD₅, NH₃-N, TSS %

Removal, CBOD₅ % Removal

Instream calculation from CORMIX (ZID): 6.34%

Toxicity based: TRC

Secondary Treatment Levels: CBOD₅ % Removal

Other (described below): pH, E. Coli, TSS, TSS % Removal, Total Recoverable

Copper

Design Flow in Million Gallons per Day: 2 MGD

Description of Discharge: Outfall Number 001;

Effluent discharge to Black Warrior River,

which is classified as Swimming/Fish and Wildlife.

Outfall Number 002;

Stormwater discharge to Colwell Creek, which is classified as Fish and Wildlife.

Outfall Number 003;

Stormwater discharge to Colwell Creek, which is

classified as Fish and Wildlife.

Discussion: This permit is a reissuance due to expiration.

The pH limits for Outfall 0012 were developed consistent with the water-use designation of the receiving stream. The daily maximum pH limit is 9.0 s.u. and the daily minimum is 6.0 s.u. The monitoring frequency will be twice per month. Flow will be monitored continuously, seven days a week.

The monthly average Total Suspended Solids (TSS) limit is established at 90.0 mg/l in accordance with ADEM's Permit Development Rationale and 40 CFR 133.105. A minimum percent removal of 85 percent based on 40 CFR 133.102 is imposed for 5-Day Carbonaceous Biochemical Oxygen Demand

(CBOD₅) and a minimum percent removal of 65 percent based on 40 CFR 133.105 is imposed for TSS. The monitoring frequency will be twice per month for TSS and monthly for CBOD₅ and TSS percent removal.

The discharge limits for CBOD₅ and Ammonia as Nitrogen (NH₃N) for Outfall 0012 were developed by the Municipal Permitting Section based on a Waste Load Allocation (WLA) model performed by the Department's Water Quality Branch on May 13, 2014. CBOD₅, and NH₃N have monthly average limits of 25 mg/l and 20 mg/l, respectively. Dissolved Oxygen (DO) will be in the permit on a monitor only basis. The monitoring frequency will be twice per month.

The Department amended ADEM Administrative Code R.335-6-10-.09 to change the bacterial indicator organisms and associated criteria for non-coastal waters from fecal coliform to *Escherichia coli* (E. coli) to be consistent with the United States Environmental Protection Agency (EPA) recommendations for protection against water-borne illnesses. As a result, this permit includes E. coli limits that are consistent with the revised regulations.

The imposed <u>E. coli</u> limits were determined based on the water-use classification of the receiving stream. Since the Black Warrior River is classified as Swimming and Fish & Wildlife, more stringent limits for the Swimming classification apply. The limits year round are 126 col/100mL (monthly average) and 235 col/100mL (daily maximum). The monitoring frequency will be twice per month.

This permit imposes monthly monitoring for the following nutrient-related parameters: Total Kjeldahl Nitrogen (TKN), Total Phosphorus (TP), and Nitrate plus Nitrite-Nitrogen (NO₂+NO₃-N). Monitoring for these nutrient-related parameters is imposed so that sufficient information will be available regarding the nutrient contribution from this point source, should it be necessary at some later time to impose nutrient limits on this discharge.

The Total Residual Chlorine (TRC) limits are based on calculations to ensure that acute and chronic toxic concentrations of TRC in the receiving stream are not exceeded. The TRC limit is 1.0 mg/L (daily maximum). The monitoring frequency will be twice per month.

Acute toxicity applies because of the low actual IWC after complete mixing. The IWC is 7% based on a CORMIX model run by ADEM's Water Quality Branch on May 20, 2009 because the discharge employs a diffuser. Toxicity testing is required with two species-(Ceriodaphnia and Pimephales) and the permit requires less than 10% mortality, 90% survival. Toxicity testing is required because this is a major facility discharging to a water of the state with a Swimming and Fish and Wildlife water-use classification. The monitoring frequency will be once per year in October.

ADEM completed a Reasonable Potential Analysis (RPA) of the data submitted in Part D of the Permittee's application (Per 40 CFR Part 122 Appendix J – Table 2). The RPA was based on the permit application. The RPA indicates there is a reasonable potential to contribute to excursions of Alabama's in-stream water quality standards in Total Recoverable Copper. The RP is due to one high copper test that the facility stated was likely a lab error. The other copper tests performed by the facility put them well below RP. In order to gather more data, the permit will require semi-annual Total Recoverable Copper monitoring.

The receiving stream is the Black Warrior River, a Tier II waterbody. The stream is not on the current 303(d) list for impaired waterbodies. There are no approved TMDLs for this waterbody.

ADEM Administrative Rule 335-6-10-.12 requires applicants to new or expanded discharges to Tier II waters demonstrate that the proposed discharge is necessary for important economic or social

development in the area in which the waters are located. The application submitted by the facility is not for a new or expanded discharge, so the applicant is not required to demonstrate that the discharge is necessary for economic and social development.

Annual stormwater monitoring will be required at Outfalls 002S and 003S for pH, TSS, NH_3 -N, TKN, NO_2 + NO_3 -N, TP, flow, $CBOD_5$, Oil and Grease, and E. coli.

Prepared by: Sandra Lee

TOXICITY AND DISINFECTION RATIONALE

Facility Name: Greensboro Lagoon NPDES Permit Number: AL0057193 Receiving Stream: **Black Warrior River** Facility Design Flow (Q_w): 2.000 MGD Receiving Stream 7Q10: 575.000 cfs Receiving Stream 1Q10: 472.000 cfs Winter Headwater Flow (WHF): 967.00 cfs Summer Temperature for CCC: 30 deg. Celsius Winter Temperature for CCC: 30 deg. Celsius Headwater Background NH3-N Level: 0.11 mg/lReceiving Stream pH: 7.0 s.u. Headwater Background FC Level (summer): N./A. (Only applicable for facilities with diffusers.) (winter) N./A.

The Stream Dilution Ration (SDR) is calculated using the 7Q10 for all stream classifications.

Stream Dilution Ration (SDR) =
$$\frac{Qw}{7010 + Qw}$$
 = 0.54%

AMMONIA TOXICITY LIMITATIONS

Toxicity-based ammonia limits are calculated in accordance with the *Ammonia Toxicity Protocol* and the *General Guidance for Writing Water Quality Based Toxicity Permits*.

If the Limiting Dilution is less than 1%, the waterbody is considered stream-dominated and the CMC applies. If the Limiting Dilution is greater than 1%, the waterbody is considered effluent-dominated and the CCC applies.

Limiting Dilution =
$$\frac{Q_w}{7Q_{10} + Q_w}$$
= 0.54% Stream-Dominated, CMC Applies

CMC CCC

Allowable Summer Instream NH_3-N : 36.09 mg/l 2.18 mg/l Allowable Winter Instream NH_3-N : 36.09 mg/l 2.18 mg/l

Summer NH₃-N Toxicity Limit = $\frac{[(Allowable Instream NH₃-N) * (7Q₁₀ + Q_w)] - [(Headwater NH₃-N) * (7Q₁₀)]}{Q_w}$

= 6722.3 mg/l NH3-N at 7Q10

Winter NH₃-N Toxicity Limit = $\frac{[(Allowable Instream NH₃-N) * (WHF + Q_w)] - [(Headwater NH₃-N) * (WHF)]}{Q_w}$ = N./A.

The ammonia limits established in the permit will be the lesser of the DO-based ammonia limit (from the wasteload allocation model) or the toxicity limits calculated above.

 DO-based NH3-N limit
 Toxicity-based NH3-N limit

 Summer
 20.00 mg/l NH3-N
 6722.30 mg/l NH3-N

 Winter
 N./A.
 N./A.

Summer: The DO based limit of 20.00 mg/l NH3-N applies.

Winter limits are not applicable.

TOXICITY TESTING REQUIREMENTS (REFERENCE: MUNICIPAL BRANCH TOXICITY PERMITTING STRATEGY)

The following factors trigger toxicity testing requirements:

- 1. Facility design flow is equal to or greater than 1.0 MGD (major facility).
- 2. There are significant industrial contributors (SID permits).

 $Acute \ toxicity \ testing \ is \ specified \ for \ A\&I \ receiving \ streams, or \ for \ stream \ dilution \ ratios \ of \ 1\% \ or \ less.$

Chronic toxicity testing is specified for all other situations requiring toxicity testing.

Acute toxicity	testing	is	required	

Instream Waste Concentration (IWC) =

Based on Cormix Model

6.34%

Note: This number will be rounded up for toxicity testing purposes.

DISINFECTION REQUIREMENTS

Bacteria limits are required, and will be the water quality limit for the receiving stream, except where diffusers are used the limit may be adjusted for the dilution provided by the diffuser.

See the attached Disinfection Guidance for applicable stream standards.

(Non-coastal limits apply)

Applicable Stream Classification: Swimming, Fish & Wildlife

Disinfection Type: Chlorination

Limit calculation method: Limits based on meeting stream standards at the point of discharge.

	Stream Standard	Effluent Limit
	(colonies/100ml)	(colonies/100ml)
E. Coli (applies to Non-coastal and Shellfish Harvesting Coastal)		
Monthly limit as monthly average (October through May):	126	126
Monthly limit as monthly aveage (June through September):	126	126
Daily Max (October through May):	235	235
Daily Max (June through September):	235	235
Enterococci (applies to Coastal)		
Monthly limit as geometric mean (October through May):	Not applicable	Not applicable
Monthly limit as geometric mean (June through September):	Not applicable	Not applicable
Daily Max (October through May):	Not applicable	Not applicable
Daily Max (June through September):	Not applicable	Not applicable

MAXIMUM ALLOWABLE CHLORINATION LIMITS

Toxicity-based chlorine limits are calculated in accordance with the General Guidance for Writing Water Quality Based Toxicity Permits.

Chlorine has been shown to be acutely toxic at 0.019 mg/l and chronically toxic at 0.011 mg/l.

Maximum allowable TRC in effluent:

2.055 mg/l (chronic)

(0.011)/(SDR)

Maximum allowable TRC in effluent:

3.550 mg/l (acute)

(0.019)/(SDR)

NOTE: A maximum chlorine limit will be imposed such that the instream concentration will not exceed acutely toxic concentrations in A & I streams and chronically toxic concentrations in all other streams, but may not exceed 1.0 mg/l.

Prepared By:

Sandra Lee

Date:

10/2/2014

NPDES No.: AL0057193

Г	$Q_d*C_d+Q_{d2}*C_d$	C ₄₂ + C),*C	. = 0.*C				Enter Max Daily	Enter Avg	Partition
: 15		Cardnogen	3 (5)	Background from upstream	Background from upstream	Background Instream	Background	Discharge as reported by	Discharge as reported by	Coefficient (Stream /
ID	Pollutant	Yes	Type	source (C ₆₂) Daily Max	source (C _{d2}) Monthly Ave	(C _s) baily Max	Instream (C _s) Monthly Ave	Applicant (Comm)	Applicant (Cdavg)	Lake)
- 1	Antimony	200.000	Metals	ug/i	sa/1	90/l	Non O		⊅ug/t 0	A
2	Arsenic*,**	YES	Metals Metals	0	0	0	0	o o	0	0 574
4	Cadmium**		Metals	G	0	0	0	0	0	0 236
6			Metals Metals	0	0	0	0	0	0	
8			Metals Metals	Ð 0	0	0	d	3940 0	1400 0	0.388 0.467
	Mercury** Nickel**		Metals Metals	0	0	0	0	0.2 0	0.1	0 000 0.505
11	Selenium Silver		Metals Metals	0	0	0	THE CONTRACTOR	0	0	:
13	Thallium Zinc**		Metals Metals	0	0	0	0	0 50	0	0.330
15	Cyanide		Metals	0	ō	0.7	0	ō	0	0.330
	Total Phenoic Compounds Hardness (As CaCO3)		Metals Metals	0	0	0	0	280 48900	90 44900	:
18 19	Acrolem Acrylonitrile*	YES	VOC	0	0	0 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	:
20	Aldrin Benzene ^a	YES YES	voc voc	0	0	0	0	0	0	:
22	Bromoform*	YES	voc	0	0	0	0	0	0	
24	Carbon Tetrachloride* Chlordane	YES YES	voc voc	0	0	200 O	0	0	0	:
25 26	Clorobenzene Chlorodibromo-Methane*	YES	voc voc	0	0	0	0	0	0	:
27 28	Chloroethane 2-Chloro-Ethylvinyl Ether		voc	0	0	0	0	0	0	:
29	ChloroForm* 4,4'-DDD	YES YES	voc voc	0	0	0.0	3 0	0	0	:
31	4,4'-DDE 4.4'-DDT	YES YES	VOC	Ö	0	0.5	0	0	0	:
33	Dichlorobromo-Methane*	YES	voc voc	ŏ	ě	with 0 wy	0	0	0	:
35	1, 1-Dichloroethane 1, 2-Dichloroethane*	YES	voc	ō	0	0 1	0	0	0	:
37	Trans-1, 2-Dichloro-Ethylene 1, 1-Dichloro-ethylene*	YES	v∝ v∝	0	0	0	0	0	0	:
	1, 2-Dichloropropane 1, 3-Dichloro-Propylene		voc voc	0	8	0	6	0	0	:
40 41	Dieldrin Ethylbenzene	YES	voc voc	0	0	0.11	0	0	:	:
42 43	Methyl Bromide Methyl Chloride		voc	0	0.	0.0	0	÷	:	:
44		YES	VOC	0	0	0	0.1	0	0	:
46 47		YES	VOC	0	0	0	0	0	0	
48	Toxaphene	YES	VOC	ŏ		1.0.	0	٥	0	:
49 50		YES	VOC	0		0.0	0	0	0	:
51 52		YES YES	VOC	0			0 -	0	0	-
53 54		YÉS	VOC Acids	0	0	0 1	0.	0	0	-
55 56			Acids Acids	0	0	0	0	0	0	:
57 58	2, 4-Dimethylphenol		Acids Acids	. 0	0 .	0 27 0 0 0	0	0	0	:
59	2, 4-Dinitrophenol	YES	Acids Acids	0 -	0	0.3	6 to 0	0	0	:
61	Dioxin (2,3,7,8-TCDD)	YES	Apriles	0	0	0	0. 4	0	0	:
63	4-Nitrophenol		Acids Acids	0	0	TESTS OF STREET	1. C. O.	0	0	
65		YES	Acids Acids	0	´ 0 ,	0	0.	0	0	:
67	Acenaphthene	YES	Acids Bases	8	0	7 0 0	0	0	0	-
68			Bases Bases	0	0	1 0 T	0 0	0	8	:
70		YES	Bases Bases	0	0	0	State of the second	0	0	:
72	Benzo(A)Pyrene*	YES	Bases Bases	. 0	0	12 0 =	0	0	0	
74	Benzo(GHI)Perylene		Bases Bases	0	0	0.70	0.0	0	ı ŏ	-
75 76	Bis (2-Chloroethoxy) Methane		Bases	0.	0	0 4	0	٥	0	:
77 78	Bis (2-Chloroiso-Propyl) Ether	YES	Bases Bases	Ö	0 , 2	- D-4-6	0.0	0	0	:
79		YES	Bases Bases	6	;	0.00	0	ů	8	:
81			Bases Bases	0	0	5) I D	0.	0	0	:
83 84		YES	Bases Bases	0	0	7 0 C	0	0	0	:
85	Di-N-Butyl Phthalate		Bases Bases	0	0	0.0	# 1°, 0°	0	0	:
87 88		YES	Bases Bases	0	0.	0 0		0	0	:
89	1, 3-Dichlorobenzene		Bases Bases	0	8	100 0 C 0 120 20	0 0	S O	0	1 :
91	3, 3-Dichlorobenzene*	YES	Bases Bases	0	0 .	177.014	0 .	i	0	:
93	Dimethyl Phthalate	YES	Bases Bases	0	0	0 0	a 0	0	0	-
	2, 6-Dinitrotaluene	155	Bases	ō	0	4 0 3. 57 2 0 7	0	0	0	:
96 97	Endosulfan (alpha)	YES	Bases Bases	0	0	10	0.	0	0	:
98	Endosulfan sulfate	YES	Bases Bases	0	0	2.0	0	0	0	:
100	Endrin Aldeyhide	YES	Bases Bases	0	0	0.0	0 9	0	0	-
102			Bases Bases	0	0	7 0 °	0	0	0	:
104	Heptochlor	YES	Bases Bases	0	0	D.	0	0	0	:
106	Hexachlorobenzene*	YES	Bases Bases	0	0	5 x 0 x 1	0 ; 0 ;	i	0	:
108	Hexachlorocyclohexan (alpa)	YES	Bases	0	0	0.11	0	0	0	:
	Hexachlorocyclohexan (gamma)	YES YES	Bases Bases	0	0	0.7	0 0	0	0	:
	Hexachloroethane		Bases Bases	0	0	- 0 - 0 - 4 - 0	0	ō	0	:
113 114	Indeno(1, 2, 3-CK)Pyrene* Isophorone	YES	Bases Bases	0	0	0 0	*** 0_	0	0	:
	Naphthalene		Bases Bases	0	0	0	0	0	0	:
117	N-Nitrosodi-N-Propylamine* N-Nitrosodi-N-Methylamine*	YES YES	Bases Bases	0	0		0	0	0	:
	N-Nitrosodi-N-Phenylamine*	YES	Bases Bases	0		0.	0	0	0	:
121	PCB-1221	YES YES	Bases Bases	0		2895000000000000000000000000000000000000	0	0	0	:
123		YES	Bases	0		7 D	0	0	0	:
125	PCB-1248 PCB-1254	YES	Bases Bases	0	0		0	0	0	:
126 127	Phenanthrene	YES	Bases Bases	0	0	0	0	0	0	:
	Pyrene 1, 2, 4-Trichlorobenzene		Bases Bases	0	0	0	0	0	0	:

2	Enter Q ₄ = wastewater discharge flow from facility (MGD)
3.094458	Q _d = wastewater discharge flow (cfs) (this value is caluclated from the MGD)
0	Enter or estimated, Qd2 = background stream flow from upstream source (cfs)
575	Enter 7Q10, Q, = background stream flow in cfs above point of discharge
472	Enter or estimated, 1Q10, Q _s = background stream flow in cfs above point of discharge (1Q10 estimated at 75% of 7Q10)
0	Enter flow from upstream discharge Qd2 = background stream flow in MGD above point of discharge
10001	Enter Mean Annual Flow, Q, = background stream flow in cfs above point of discharge
967	Enter 7Q2, Q _s = background stream flow in cfs above point of discharge (For LWF class streams)
Enter to Left	Enter C _e = background in-stream pollutant concentration in µg/l (assuming this is zero "0" unless there is data)
Q, +Qd2+Q,	Q, = resultant in-stream flow, after discharge
on other	C _r = resultant in-stream pollutant concentration in µg/i in the stream (after complete moving occurs)
50	Enter, Background Hardness above point of discharge (assumed 50 South of Birmingham and 100 North of
7.00 511.	Enter, Background pH above point of discharge
YES	Enter, is discharge to a stream? "YES" Other option would be to a Lake. (This changes the partition coefficients for the metals)

^{**} Using Partition Coefficients

Mary 27, 2015

Facility Name:	Greensboro Lagoor
MODER No	01 00ET103

	NPDES No.		sboro Lagoor 7193													Human Heal	n Calabian	n Elab onto for	200
Fre	invater F&W classification.				Max Daily	Fresh	water Acute (u	g/i) (1, =1Q10				Freshw	ater Chronic (ag/l) Q _a = 7Q1	0 -	Carcine	igen Q, ^a Anni Carcinogen Q	al Average	21)
5.				Background	Discharge as reported by	Water				Background	Avg Daily Discharge as reported by	Water			100	7.4.7			
10	Pollutant	RP7	Carcinogen yea:	from upstream source (Cd2)	Applicant (C)	Quality Criteria (C ₁)	Draft Permit Limit (C _{mes})	20% of Draft Permit Limit	RP7	from upstream source (CdZ)	Applicant (C)	Quality Criteria (C ₄)	Draft Permit Limit (Com)	20% of Draft Permit Limit	RP7	Water Quality Criteria (C ₁)	Draft Permit Limit (Cara)	20% of Draft Permit Limit	
	Antimorry	and the second		Deily Max	0					Monthly Ave				NEAD OF					15
1	Arsenic Berylium		YES	0	0	592.334	90941.559	18188.312	No	0	0	261.324	48819.528	9763.906	No	3 73E+02 3.03E-01	6.97E+04 9.80E+02	1.39E+04 1.96E+02	No No
1	Cadmium Chromium/ Chromium III			0	0	4.347 1537,913	667.418 236116.923	133.484 47223.385	No No	0	0	0.644 200 051	120.237 37372.716	24 047 7474.543	No No	-	:	:	-
1 1	Chromium/ Chromium VI Copper	YES		0	0 3940	16.000	2456 492 2767 603	491,296 553 521	No Yes	0	0 1400	11 000 12.755	2054.977 2384 813	410.995 476.963	No Yes	1 30E+03	2 43E+05	4.86E+04	-
1 4	Lead Mercury	153	1	0	0	64 531 2 400	9907.472 368.474	1981 494 73 695	No No	0	0	2.515	469,782	93.956 0.448	No			•	No
	Nickel			0	0	515.824 20.000	79194 900 3070.615	15838.980 614 123	No No	0	0 1 0 0	0.012 57.292 5.000	2.242 10703.096	2140 619	No No	4.24E-02 9 93E+02	7 93E+00 1.85E+05	1 59E+00 3.71E+04	No No
1	Silver Thallium			0	0	0.976	149 914	29 963	No	0	0	5,000	934 060	186.616	No -	2 43E+03	4 54E+05	9.08E+04	No -
1.	Zinc Cyanide			0	60	197 369 22.000	30302 181 3377.677	6060 436 675.535	No No	0	30 0	198,983	37173.272 971 444	7434 854	No	2.74E-01 1.49E+04	5.11E+01 2.78E+06	1 02E+01 5.56E+05	No No
14	Total Phenoiic Compounds Hardness (As CaCO3)			0	280 48900	-	33/7.0//	-	-	0	90	5.200	-	194.289	No -	9 33E+03 •	1 74E+06	3 49E+05	No
10	Acrolein Acrylonitrile		YES	0	0	:	-			0	44900 0 0	:	:		-	5.43E+00 1.44E-01	1 01E+03 4.66E+02	2.03E+02 9.31E+01	No
21	Aldrin Benzene		YES YES	0	0	3,000	460 592	92 118	No	0	0	1 300	242.861	48.572	No	2.94E-05 1,55E+01	9.50E-02 5.00E+04	1.90E-02 1.00E+04	No No No
2	Bromoform Carbon Tetrachlonde		YES YES	0	0	-				0	ŏ			-	-	7.86E+01 9.57E-01	2.55E+05 3.09E+03	5.09E+04 6.19E+02	No
2	Chiordane Clorobenzene		YES	0	ŏ	2.400	368.474	73 695	No	0	0	0.004	0.803	0 161	No	4.73E-04	1 53E+00	3.06E-01	No No
20	Chlorodibromo-Methane		YES	0	0		-		-	0	0		:	:	-	9.06E+02 7.41E+00	1.69E+05 2.39E+04	3.39E+04 4.79E+03	No No
20	2-Chloro-Ethylvinyl Ether ChloroForm		YES	0	0		-		-	0	0	-		-		1.02E+02	3.30E+05		-
34	4.4' - DDD 4.4' - DDE		YES YES	0	0					0	0		-	:	:	1.61E-04 1.28E-04	5.86E-01 4.14E-01	6.60E+04 1.17E-01 8.28E-02	No No No
33	4,4' - DDT Dichlorobromo-Methane		YES YES	0	0	:		-	:	0	0		-			1 28E-04 1.00E+01	4.14E-01	8.28E-02	No
	1, 1-Dichloroethane		YES	0	0	:	:		:	0	0	:			-	2.14E+01	3.24E+04 - 6.91E+04	6 49E+03 - 1.38E+04	No No
3	Trans-1, 2-Dichloro-Ethylene 1, 1-Dichloroethylene		YES	0	0	:	:	:	:	0	0				:	5.91E+03 4.17E+03	1.10E+06 1.35E+07	1.38E+04 2.21E+05 2.69E+06	No No
34	1, 2-Dichloropropane 1, 3-Dichloro-Propylene			0	0	:	:	-	-	0	0	:			-	8.49E+00 1.23E+01	1.59E+03 2.29E+03	3 17E+02 4.59E+02	No No
41	Dieldrin Ethylbenzene		YES	0	0	0.240	36.847	7.369	No •	0	0	0.056	10 462	2.092	No -	3.12E-05 1.24E+03	1.01E-01 2.32E+05	2.02E-02 4.65E+04	No No
43	Methyl Bromide Methyl Chloride			0	o o	:	:	:	:	0	ő	-	-	:	-	8.71E+02	1.63E+05	3.25E+04	No
4	Methylene Chloride 1, 1, 2, 2-Tetrachloro-Ethane		YES YES	0	0	:	:		:	0	0			-	:	3.46E+02 2.33E+00	1.12E+06 7.54E+03	2.24E+05 1.51E+03	No No
44	Tetrachloro-Ethylene Toluene		YES	0	o o	-	:		:	0	0		-			1.92E+00 8.72E+03	6.20E+03 1.63E+06	1.24E+03 3.26E+05	No No
4	Toxaphene Tributyttin (TBT)		YES YES	0	0	0.730 0.460	112.077 70.624	22.415 14.125	No No	0	0	0.0002	0.037 13.451	0.007 2.690	No No	1.62E-04	5.23E-01	1.05E-01	No
50	1, 1, 1-Trichloroethane 1, 1, 2-Trichloroethane		YES	0	0	:	-			0	0	-	-	2.000		9 10E+00	2.94E+04	5.88E+03	- No
5	Trichlorethylene Vinyl Chloride		YES YES	0	ŏ	:	-		-	ő	0		-		-	1.75E+01 1.42E+00	5.65E+04 4.61E+03	1.13E+04 9.21E+02	No No
5	P-Chloro-M-Cresol 2-Chlorophenol			0	0		-	:	-	0	0		:	-	- 1	8.71E+01	1.63E+04	3.25E+03	No.
5	2, 4-Dichlorophenol 2, 4-Dimethylohenol			0	0	:		-	:	0	0			-	. :	1.72E+02 4.96E+02	3.21E+04 9.29E+04	6.43E+03 1.86E+04	No No
5	4, 6-Dinitro-O-Cresol 2, 4-Dinitrophenol			0	0	:	:	:	:	0	0				-	3.11E+03	5.81E+05	1.16E+05	No
60	4,6-Dinitro-2-methylphenol Dioxin (2,3,7,8-TCDD)		YES YES	0	o o	-		:	-	0	0				-	1 65E+02 2.67E-08	5.35E+05 8.62E-05	1.07E+05 1.72E-05	No No
67	2-Nitrophenol 4-Nitrophenol			0	0		. :	:	:	0	0				-	2.072-00	-	1.726-05	-
64	Pentachlorophenol Phenol		YES	0	0	8.723	1339.298	267.860	No	0	0	6,693	1250.282	250.056	No	1.77E+00 5.00E+05	5.71E+03 9.34E+07	1.14E+03 1.87E+07	No No
	2, 4, 6-Trichtorophenoi Acenaphthene		YES	0	. 0		-	:		0	0		-		-	1.41E+00 5.79E+02	4.57E+03 1.08E+05	9.14E+02 2.16E+04	No No
J &	Acenaphthylene Anthracene		[0	0	:		:		0	0		:	-		2.33E+04	4.36E+06	8.72E+05	- No
70	Benzidine Benzo(A)Anthracene		YES	o o	0		-			0	0					1.16E-04 1.07E-02	2.17E-02 3.44E+01	4.33E-03 6.89E+00	No No
7.	Benzo(A)Pyrene 3. 4 Benzo-Fluoranthene		YES	0	0	:	-	:		0	0		:		:	1 07E-02 1 07E-02	3.44E+01 1.99E+00	6.89E+00 3.98E-01	No No
74	Benzo(GHI)Perylene			0	0	:	•	:	:	0	0		:		:1	1.07E-02	1.99E+00	3.98E-01	No
76			YES	0	0	:	:		:	0	0	:	:		-	3.07E-01	9.94E+02	1.99E+02	No
78	Bis (2-Chloroiso-Propyl) Ether Bis (2-Ethythexyl) Phthalale		YES	0	0	:	:	:	:	0	0	:	:	:	:	3.78E+04 1.28E+00	7.06E+06 4.14E+03	1.41E+06 8.29E+02	No No
	4-Bromophenyi Phernyi Ether Butyi Benzyi Phthalate			0	0	:	:		:	0	0		:		-	1.13E+03	2.11E+05	4.21E+04	No
82	2-Chloronaphthalene 4-Chlorophenyl Phenyl Ether			0	0	:	-	:	:	0	0			:		9.24E+02	1.73E+05	3.45E+04	No
84	Chrysene Di-N-Butyl Phthalate		YES	0	0	:	:	:	:	0	0	:	:	:	:	1.07E-02 2.62E+03	3.44E+01 4.90E+05	6.89E+00 9.80E+04	No No
	Di-N-Octyl Phthalate Dibenzo(A,H)Anthracene		YES	0	0	:	:	-	:	0	0	:	:	:	:	1.07E-02	3.44E+01	6.89E+00	No.
85 85	1, 2-Dichlorobenzene 1, 3-Dichlorobenzene			0	0	:	:	:	:	0	0	:	:	:	:	7.55E+02 5.62E+02	1.41E+05 1.05E+05	2.82E+04 2.10E+04	No No
91	1, 4-Dichlorobenzene 3, 3-Dichlorobenzene		YES	0	0	-	:	:	:	0	0	:	-	:	:	1.12E+02 1.66E-02	2 10E+04 5.37E+01	4.20E+03 1.07E+01	No No
93	Diethyl Phthalate Dimethyl Phthalate			0	0	-	:	:	:	0	0	:	:	:	:	2.56E+04 6.48E+05	4 78E+06 1.21E+08	9.55E+05 2 42E+07	No No
95	2, 4-Dentrotoluene 2, 6-Dinitrotoluene		YES	0	0	-	:	:	:	0	0	-	:	:	:]	1 98E+00 -	6.40E+03	1.28E+03	No •
97			YES	0	0	0.22	33.777	6.755	No	0	0	0.056	10.462	2.092	No	1 17E-01 5.19E+01	2.19E+01 1 68E+05	4.38E+00 3.35E+04	No No
98			YES	0	0	0.22	33.777	6.755	No -	0	0	0.056	10.462	2.092	No -	5.19E+01 5.19E+01	1.68E+05 1.68E+05	3.35E+04 3.35E+04	No No
101	Endrin Endnn Aldeyhde		YES YES	0	0	0.086	13.204	2.641	No -	0	0	0.036	6.725 -	1.345	No -	3.53E-02 1.76E+00	1 14E+02 5 70E+03	2.28E+01 1.14E+03	No No
103	Fluorene		V	0	0		70 836	15.067		0	0				-	8.12E+01 3.11E+03	1.52E+04 5.81E+05	3.03E+03 1.16E+05	No No
105	Heptochior Heptachior Epoxide		YES YES	0	0	0.52 0.52	79.836 79.836	15.967 15.967	No No	0	0	0.004 0.004	0.710 0.710	0.142 0.142	No No	4.63E-05 2.29E-05	1.50E-01 7.40E-02	2.99E-02 1 48E-02	No No
	Hexachlorobutadiene		YES YES	0	0	:		:	:	0	0	:		:	:	1 68E-04 1.08E+01	5.43E-01 3.48E+04	1.09E-01 6.96E+03	No No
109	Hexachlorocyclohexan (alpha) Hexachlorocyclohexan (beta)		YES YES YES	0	0		145.054	20 171		0	0	:		:	:	2.85E-03 9.97E-03	9.21E+00 3.22E+01	1.84E+00 6.45E+00	No No
111	Hexachlorocyclohexan (gamma) HexachlorocycloPentadiene		169	0	0	0.95	145.854	29 171	No -	0	0	:	:		:	1 08E+00 6.45E+02	3 48E+03 1.21E+05	6.96E+02 2.41E+04	No No
113	Hexachloroethane Indeno(1, 2, 3-CK)Pyrene		YES	0 .	0	:		:	-	0	0	:	:		-	1 92E+00 1 07E-02	3 58E+02 3.44E+01	7.17E+01 6.89E+00	No No
115	Isophorone Naphthalene			0	0	- :		:	:	0	0	:	:	:	:	5.61E+02	1.05E+05	2 10E+04	No -
117	Nitrobenzene N-Nitrosodi-N-Propylamine		YES	0	0	-		:	:	0	0	:	:	:	ĵ.	4.04E+02 2.95E-01	7.54E+04 9.54E+02	1.51E+04 1.91E+02	No No
119	N-Nitrosodi-N-Methylamine N-Nitrosodi-N-Phenylamine		YES YES	0	0		-			0	0				[]	1.76E+00 3.50E+00	5.69E+03 1 13E+04	1 14E+03 2.26E+03	No No
121	PC8-1016 PC8-1221		YES YES	0	0		-	:	:	0	0	0 014	2.615 2.615	0.523 0.523	No No	3.74E-05 3.74E-05	1.21E-01 1.21E-01	2 42E-02 2 42E-02	No No
123	PCB-1232 PCB-1242 PCR-1248		YES YES YES	0	0	:		:		0	0	0.014	2.615 2.615	0.523 0.523	No No	3.74E-05 3.74E-05	1.21E-01 1.21E-01	2 42E-02 2 42E-02	No No
125	PCB-1248 PCB-1254 PCB-1260		YES YES YES	0	0	:	-			ō	0	0.014	2.615 2.615	0.523 0.523	No No	3 74E-05 3.74E-05	1.21E-01 1.21E-01	2 42E-02 2 42E-02	No
127	Phenanthrene		153	0	0				-	0	0	0.014	2.615	0.523	No	3 74E-05 -	1 215-01	2.42E-02	No -
	Pyrene 1, 2, 4-Trichlorobenzene			0	0	:	-	:	:	0	0		<u> </u>	<u>:</u>	Ï.	2.33E+03 4.09E+01	4.36E+05 7 65E+03	8 72E+04 1 53E+03	No No

Comments to be to be	iste Load All		
Comments included Yes No	General Info	rmation	Information KMM Page 1 Verified By
Receiving Stream Name	Black Warri	or River	Year File Was Created 1988
Previous File Name			: Local Name (If applicable)
Facility Name	Greensboro	1900	Local Maine (ii applicable)
Previous Discharger Name			AKA (includes previous file name)
11 Digit HUC Code	03160113150		THE SET L
12 Digit HUC Code	031601130804	Statistics.	1
River Basin	Black Warrior	Print Record	Close Form
County	Hale		
Use Classification	S/F&W	Date of WLA	Response 5/13/2014
Discharge Latitude	32.6411	Lat/Long Method	Arcview
Discharge Longitude	-87.7466		Approved TMDL?
Site Visit Completed?	✓ Yes □ No		
Date of Site Visit	4/16/2014		Yes 🗸 No
Waterbody Impaired?	☐ Yes ☑ No	Approval Date	of TMDL
			Alletin
Antidegradation	☐ Yes ☑ No	Permit Inf	ormation
Waterbody Tier Level	Tier II	Downst Now how	AL0057193
Use Support Category		Permit Number	
Other Point Sources?	☐ Yes ☑ No	Permit Status	Active
Sources Inclu	ded in Model	Type of Di	scharger
		Municipal	
		☐ Industrial	
		Semipublic/	Private
		L Mining	
81.37	L. Jakkara	32.32	
Wa	ste Load Allo	eation Inform	ation
Was	Ste Luau Allu	cation informa	ation
Modeled Reach Length	15.6	Miles Date of Ailor	4/29/2014
Name of Model Used	QUAL2E	Allocation	Type Annual
Model Completed by	Kimberly Minton	Type of Mode	l Used Desk-top
THE RESIDENCE OF THE PARTY OF T		THE R. P. LEWIS CO., LANSING, MICH. 491-1403.	The state of the s

WALL STREET

Waste Load Allocation Summary

			C	onvention	al Paramete	rs	- 日本	Other Pa	rameters	Burn By
Annual Effluent		Qw	MGD	Qw	MGD	Qw	MGD	Qw	MGD	
Li	mits		Season	7	Season		Season		Season	
Qw	2	MGD	From		From		From	<i></i>	From	
сворь Г	25	mg/L	Through		Through		Through	The Lead of	Through	
NH3-N	20	mg/L	CBOD5	mg/L	CBOD5	mg/L	TP	mg/L	p.dPa.	mg/L
TKN		mg/L	NH3-N	mg/L	NH3-N	mg/L	TN	mg/L	TN	mg/L
D.O. [mg/L	TKN	mg/L	TKN	mg/L	TSS	mg/L	TSS	mg/L
			D.O.	mg/L	D.O.	mg/L	ACCESSED N	mg/L		mg/L
"Mon	itor (Only" Pa	rameters for	Effluent:	Param	eter	Frequency	Para	meter	Frequency
		Mary Care			TP	Mor	nthly	DO	2x	Monthly
Nie.					NO2+NO3-N	Mor	nthly			
					TKN	Mor	othly		<u> </u>	11-11-1-11

Parameter	Summer	Winter
CBODu	2 mg/l	mg/l
NH3-N	0.11 mg/l	mg/l
Temperature	30 °C	*c
pH	7 su	SU

Hydrology at Discharge Location

Drainage Area Qualifier Exact

Drainage Area	5942	sq mi
Stream 7Q10	575	cfs
Stream 1Q10	472	cfs
Stream 7Q2	967	cfs
Annual Average	10001	cfs

Method Used to Calculate

ADEM Estimate w/USGS Gage Data

Comments and/or Notations

Comments Effluent D.O. - Monitor only

Page 2

Last Revision: 07/15/09

IVIIA	ng Zone Ai	nalysis Su	Illiniery
Comments included	General I	nformation	Page 1
✓ Yes □ No	Information	CGG Dat	te of MZ Response 5/20/2009
Year File Was Started 2009	Verified By		A CONTRACTOR OF
ame of Receiving Stream	Black Warrie	or River	
Previous file name:			Or-AKA (If applicable)
Facility Name	Greensboro	Lagoon	
Previous Name of Discharger			Or-AKA (If applicable)
11 Digit HUC Code USGS	03160113150	Other	Point Sources? ☐ Yes ☑ No
12 Digit HUC Code 03	31601130804		Sources Included in the Model:
River Basin	Black Warrior		
County	Hale		
Use Classification	S/F&W		Permit Information
Discharge Latitude 3	32.64333		Type of Discharger
	37.74061	Print Record	✓ Municipal
	Zi Yes □ No □	Close Form	☐ Industrial ☐ Semipublic/Private
		Glose Form	_ Semponior ny de
Date of Site Visit	/9/2009		Permit Number AL0057193
			Permit Status Active
Hydrology		Method Us	sed to Calculate
	942 sq ml	distribution of	w/USGS Gage Data
ARTHUR STORY	9.75 cfs	And the Lot of the Lot	w/USGS Gage Data
Stream 7Q2	cfs		
Date of MZ Analysis	5/20/2009	Model Completed	by Chris Goodman
Discharge Design Flow	2 MGD		Seasonal? ☐ Yes ☑ No
			If not seasonal, only the summer
Pollu	tant Category		sections will be used
Whole Effluent Toxicity (WE	T) 🗹 Thermal 🗌	Pathogens	

Mixing Zone Analysis Summary - Page 2

WET Parameters

	Sum	mer	
Acute		Chronic	
Ambient Streamflow 499.75	cfs	Ambient Streamflow	cfs
ZID Length 2.25	Meters	Mixing Zone Length	Meters
ZID IWC 6.34	%	Mixing Zone IWC	%
	Win	ter	
Acute		Chronic	
Ambient Streamflow	cfs	Ambient Streamflow	cfs
ZID Length 2.25	Meters	Mixing Zone Length	Meters
ZID IWC	%	Mixing Zone IWC	%
	Thermal Pa	rameters	
Summer		Winter	
Ambient Streamflow	cfs	Ambient Streamflow	cfs
Mixing Zone Length	Meters	Mixing Zone Length	Meters
Max. Effluent Temp	°C	Max. Effluent Temp	°C
	Pathogen Par	rameters	
Summer		Winter	
Ambient Streamflow	cfs	Ambient Streamflow	cfs
ZID Length	Meters	ZID Length	Meters
Max. Effluent Fecal Conc	Cols/100 mls	Max. Effluent Fecal Conc	Cols/100 mls
Max. Effluent Enterococci	Cols/100 mls	Max. Effluent Enterococci	Cols/100 mls
Conc (for coastal waters)		Conc (for coastal waters)	Colarido IIIIS
Comments and/or Notations First MZ analysis perform	ed for this facility.		
If comments are made, check	the "yes" box at the top o	I page one. Last Revision	on: 8/30/06
	363		

Please print or type in	the unshad	ed areas only.					Form Approved. OMB No. 2040-0	086.		
FORM						ON AGENCY	I. EPA I.D. NUMBER			
1 �	EPA				IFORMA [*] Permits Prog		F			T/A
GENERAL					uctions" befo		1 2	_	13	
LABEL ITEM	MS						GENERAL INSTRU			v ut in
		-					designated space. Review the inform is incorrect, cross through it and ent	ation o	arefully	r; if any o
I. EPA I.D. NUME	BER 						appropriate fill-in area below. Also, if	any of	the pre	printed d
III. FACILITY NAM	1E	PLEASE	PLA	CE LA	BEL IN THI	SPACE	is absent (the area to the left of information that should appear), plea	se prov	vide it ir	n the pro
V. FACILITY MAIL	LING					•	fill-in area(s) below. If the label is oneed not complete Items I, III, V, a			
ADDRESS							must be completed regardless). Con has been provided. Refer to the ins			
VI. FACILITY LOC	ATION						descriptions and for the legal authorities data is collected.			
II. POLLUTANT CHA	RACTERIS	TICS					data is collected.			
INSTRUCTIONS: Co	omplete A th	rough J to determine whethe	r vou i	need t	o submit an	v permit application forms to t	the EPA. If you answer "yes" to an	v aue	stions.	vou m
submit this form and	the suppler	mental form listed in the pare	nthesi	s follo	wing the qu	estion. Mark "X" in the box in	the third column if the supplemen	ital for	m is a	ttached
		n, you need not submit any of of the instructions for definition					excluded from permit requirements	s; see	Sectio	n C or t
					k.x.				Mark	.x.
SF	PECIFIC QU	ESTIONS	YÉS	NO	FORM ATTACHED	SPECIFIC	QUESTIONS	YES	NO	FORM
		ned treatment works which					(either existing or proposed)			
results in a discha	arge to wate	ers of the U.S.? (FORM 2A)	X			include a concentrated	animal feeding operation or tion facility which results in a		X	
			16	17	18	discharge to waters of the		19	20	21
		tly results in discharges to		\vee		D. Is this a proposed facility	(other than those described in A		\	
waters of the U.S above? (FORM 20		n those described in A or B		\triangle		or B above) which will res the U.S.? (FORM 2D)	sult in a discharge to waters of			
	<u> </u>	reat, store, or dispose of	22	23	24	,	ect at this facility industrial or	25	26	27
hazardous waste				X		municipal effluent bel	low the lowermost stratum		x	
			20	~	20	containing, within one of underground sources of d	quarter mile of the well bore, Irinking water? (FORM 4)	- 24		
G. Do you or will you	inject at this	s facility any produced water	28	29	30		at this facility fluids for special	31	32	33
or other fluids v	which are	brought to the surface in				processes such as mining	of sulfur by the Frasch process,			
		oil or natural gas production, ed recovery of oil or natural		$ \wedge $		fuel, or recovery of geothe	als, in situ combustion of fossil ermal energy? (FORM 4)		X	
	ds for stora	age of liquid hydrocarbons?					0, (•••••,			
(FORM 4)			34	35	36			37	38	39
		ionary source which is one listed in the instructions and					ed stationary source which is dustrial categories listed in the			ı
which will potentia	ally emit 10	00 tons per year of any air Clean Air Act and may affect		X		instructions and which w	ill potentially emit 250 tons per		X	ı
or be located in an			40	41	42		egulated under the Clean Air Act ocated in an attainment area?	43	44	45
						(FORM 5)				
III. NAME OF FACIL								-		
SKIP Green	nsboro	Lagoon	1	1	1 1 1			'		: .
15 16 - 29 30								69		
IV. FACILITY CONT	ACT									
		A. NAME & TITLE (last,	, first,	& title)	1 .	1 1 1 1 1 1 1	B. PHONE (area code & no.)			
Jay, John	Supe	rintendent			1 1 1	1 1 1 1 1 1 1	(334) 624-8448			
15 16						45	46 48 49 51 52- 5	6		
V. FACILTY MAILING	ADDRESS									
		A. STREET OR P.	O. BO	X		1 1 1 1 1 1 1 1				
$\frac{c}{3}$ P.O. Box	546		1 1	1 1	1 1 1	1 1 1 1 1 1 1				
15 16			_			45				
		B. CITY OR TOWN				C. STATE	D. ZIP CODE			
Greensbor			ĺ	(]		AL 3	6744			
15 16						40 41 42 47	51	٠.		
VI. FACIL'	TION									
	A.ST	ET, ROLL OR OTHE	R SPE	CIFIC	IDENTIFIE	R				
64 Count	MAKE		П	TI	TIT					
5 64 Count	Hirag	15 <u> </u>				45				
- 12		. COUNTY	NAM			45			_	
Hale		1 1 1 1		T						
Hale 46		<i>XI</i>					70			
10		OR TOWN		2 F	1 V/ I	D. STATE	E. ZIP CODE F. COUNTY CO	DDE (i	f know	n) T
Greensb			= (Ø F		2.88	6744			
6 Greensburg						40 41 42 47	51 52	-54		
EPA Form 3510-1 (8-9	90)		FE	B 2	7 2014	שו		NTINU	JE ON	REVER
·		[7]		_						
		livit) / N	ΛÜΝ	BRAN	ICH				
		IINL	<i>,</i> , ,							

CONTINUED FROM THE FRONT	
VII. SIC CODES (4-digit, in order of priority)	D OFFICE OF
A. FIRST C (specify) Municipal facility, Domestic Waste	B. SECOND
7	7
15 16 - 19	15 16 · 19
C. THIRD	D. FOURTH
7	7
15 16 · 19	15 16 · 19
VIII. OPERATOR INFORMATION A. NAME	B. Is the name listed in Item
8 Utilities Board of the City of Greensboro	☑ YES □ NO
15 16	55 66
C. STATUS OF OPERATOR (Enter the appropriate letter into the	
	pecify)
S = STATE O = OTHER (specific)	A (334) 624-8448
P = PRIVATE	15 6 - 18 19 - 21 22 - 26
E. STREET OR P.O. BOX	
Post Office Box 546	
26	55
F. CITY OR TOWN	G. STATE H. ZIP CODE IX. INDIAN LAND
	Is the facility located on Indian lands?
B Greensboro	AL 36744 ☐ YES Ø NO
15 16	40 41 42 47 - 51
X. EXISTING ENVIRONMENTAL PERMITS	
	nissions from Proposed Sources)
a N AL0057193	
3 11	
15 16 17 18 30 15 16 17 18 B. UIC (Underground Injection of Fluids)	© E. OTHER (specify)
C T I C T I	E. OTHER (specify)
9 U	(specify)
15 16 17 18 30 15 16 17 18	30
C. RCRA (Hazardous Wastes)	E. OTHER (specify)
	(specify)
9 R 9	
15 16 17 18 30 15 16 17 18	30
XI. MAP	
	mile beyond property boundaries. The map must show the outline of the facility, the
injects fluids underground. Include all springs, rivers, and other surface water bodies	of its hazardous waste treatment, storage, or disposal facilities, and each well where it in the map area. See instructions for precise requirements
	The state of the s
XII. NATURE OF BUSINESS (provide a brief description)	<u> </u>
Public facility- treatment of municipal sewage.	
	·
XIII CERTIFICATION (see instructions)	
XIII. CERTIFICATION (see instructions)	
I certify under penalty of law that I have personally examined and am familiar with the	the information submitted in this application and all attachments and that, based on my
I certify under penalty of law that I have personally examined and am familiar with I inquiry of those persons immediately responsible for obtaining the information conti	ained in the application, I believe that the information is true, accurate, and complete. I
I certify under penalty of law that I have personally examined and am familiar with inquiry of those persons immediately responsible for obtaining the information conta am aware that there are significant penalties for submitting false information, including	ained in the application, I believe that the information is true, accurate, and complete. I ng the possibility of fine and imprisonment.
I certify under penalty of law that I have personally examined and am familiar with I inquiry of those persons immediately responsible for obtaining the information contam aware that there are significant penalties for submitting false information, includir A. NAME & OFFICIAL TITLE (type or print) B. SIGNATURE	ained in the application, I believe that the information is true, accurate, and complete. I ag the possibility of fine and imprisonment. C. DATE SIGNED
I certify under penalty of law that I have personally examined and am familiar with inquiry of those persons immediately responsible for obtaining the information conta am aware that there are significant penalties for submitting false information, including	ained in the application, I believe that the information is true, accurate, and complete. I ag the possibility of fine and imprisonment. C. DATE SIGNED
I certify under penalty of law that I have personally examined and am familiar with I inquiry of those persons immediately responsible for obtaining the information contam aware that there are significant penalties for submitting false information, includir A. NAME & OFFICIAL TITLE (type or print) B. SIGNATURE	ained in the application, I believe that the information is true, accurate, and complete. I ng the possibility of fine and imprisonment.
I certify under penalty of law that I have personally examined and am familiar with a inquiry of those persons immediately responsible for obtaining the information contains am aware that there are significant penalties for submitting false information, including A. NAME & OFFICIAL TITLE (type or print) John C. Jay, Jr.	ained in the application, I believe that the information is true, accurate, and complete. I ag the possibility of fine and imprisonment. C. DATE SIGNED
I certify under penalty of law that I have personally examined and am familiar with I inquiry of those persons immediately responsible for obtaining the information contam aware that there are significant penalties for submitting false information, includir A. NAME & OFFICIAL TITLE (type or print) B. SIGNATURE	ained in the application, I believe that the information is true, accurate, and complete. I go the possibility of fine and imprisonment. C. DATE SIGNED 2 - 25/4
I certify under penalty of law that I have personally examined and am familiar with a inquiry of those persons immediately responsible for obtaining the information contains am aware that there are significant penalties for submitting false information, including A. NAME & OFFICIAL TITLE (type or print) John C. Jay, Jr.	ained in the application, I believe that the information is true, accurate, and complete. I ag the possibility of fine and imprisonment. C. DATE SIGNED

Greensboro Lagoon AL0057193

Form Approved 1/14/99 OMB Number 2040-0086

FORM 2A

NPDES

NPDES FORM 2A APPLICATION OVERVIEW

APPLICATION OVERVIEW

Form 2A has been developed in a modular format and consists of a "Basic Application Information" packet and a "Supplemental Application Information" packet. The Basic Application Information packet is divided into two parts. All applicants must complete Parts A and C. Applicants with a design flow greater than or equal to 0.1 mgd must also complete Part B. Some applicants must also complete the Supplemental Application Information packet. The following items explain which parts of Form 2A you must complete.

BASIC APPLICATION INFORMATION:

- A. Basic Application Information for all Applicants. All applicants must complete questions A.1 through A.8. A treatment works that discharges effluent to surface waters of the United States must also answer questions A.9 through A.12.
- B. Additional Application Information for Applicants with a Design Flow ≥ 0.1 mgd. All treatment works that have design flows greater than or equal to 0.1 million gallons per day must complete questions B.1 through B.6.
- C. Certification. All applicants must complete Part C (Certification).

SUPPLEMENTAL APPLICATION INFORMATION:

- D. Expanded Effluent Testing Data. A treatment works that discharges effluent to surface waters of the United States and meets one or more of the following criteria must complete Part D (Expanded Effluent Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to provide the information.
- E. Toxicity Testing Data. A treatment works that meets one or more of the following criteria must complete Part E (Toxicity Testing Data):
 - 1. Has a design flow rate greater than or equal to 1 mgd,
 - 2. Is required to have a pretreatment program (or has one in place), or
 - 3. Is otherwise required by the permitting authority to submit results of toxicity testing.
- F. Industrial User Discharges and RCRA/CERCLA Wastes. A treatment works that accepts process wastewater from any significant industrial users (SIUs) or receives RCRA or CERCLA wastes must complete Part F (Industrial User Discharges and RCRA/CERCLA Wastes). SIUs are defined as:
 - All industrial users subject to Categorical Pretreatment Standards under 40 Code of Federal Regulations (CFR) 403.6 and 40 CFR Chapter I, Subchapter N (see instructions); and
 - 2. Any other industrial user that:
 - Discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (with certain exclusions); or
 - b. Contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment plant; or
 - Is designated as an SIU by the control authority.
- G. Combined Sewer Systems. A treatment works that has a combined sewer system must complete Part G (Combined Sewer Systems).

ALL APPLICANTS MUST COMPLETE PART C (CERTIFICATION)



FACILITY NAME AND PERMIT NUMBER:

Greensboro Lagoon AL0057193

Form Approved 1/14/99
OMB Number 2040-0086

BASIC APPLICATION INFORMATION

PAR	RT A. BASIC APPI	LICATION INFORMATION FOR ALL A	APPLICANTS:								
All t	reatment works mus	t complete questions A.1 through A.8 of t	this Basic Application Information pa	cket:							
A.1.	Facility Information	1.									
	Facility name	Greensboro Lagoon									
	Mailing Address	Post Office Box 546 Greensboro, AL 36744	·								
	Contact person	John C. Jay, Jr.									
	Title	Superintendent									
	Telephone number	(334) 624-8448									
	Facility Address (not P.O. Box)	649 County Road 19									
A.2.	Applicant Informat	ion. If the applicant is different from the abo	ve, provide the following:								
	Applicant name	Utilities Board of the City of Greensbo	oro								
	Mailing Address	Same									
	Contact person	Same									
	Title	Same									
	Telephone number										
	Is the applicant the	owner or operator (or both) of the treatm	nent works?								
	Indicate whether cor	respondence regarding this permit should be	e directed to the facility or the applicant.								
	facility	applicant									
A.3.	Existing Environme works (include state	ental Permits. Provide the permit number of issued permits).	f any existing environmental permits that	t have been issued to the treatment							
	NPDES AL00571	93	PSD								
	UIC		Other								
	RCRA		Other								
A.4.	Collection System each entity and, if knetc.).	Information. Provide information on municition on provide information on the type of college.	palities and areas served by the facility. ection system (combined vs. separate) a	Provide the name and population of ind its ownership (municipal, private,							
	Name	Population Served	Type of Collection System	Ownership							
	City of Greensbor	0 4000	Separate	Municipal							
	Total po	pulation served									

A.5.	Indian Country. a. Is the treatment works located in Indian Country. b. Does the treatment works discharge to a through) Indian Country? Yes No.	receiving water that is eith		One Han	nber 2040-0086
	 a. Is the treatment works located in Indian C Yes No Does the treatment works discharge to a through) Indian Country? Yes No 	receiving water that is eith			
	b. Does the treatment works discharge to a through) Indian Country? Yes No	receiving water that is eith			
	b. Does the treatment works discharge to a through) Indian Country? Yes No	receiving water that is eith			
	through) Indian Country? Yes No	·			
	Yes No		er in Indian Country or that is	upstream from (and eve	entually flows
		١			
	Flow Indicate the design flow sets of the tra-	•			
	Flow. Indicate the design flow rate of the trea average daily flow rate and maximum daily flo period with the 12th month of "this year" occu	w rate for each of the last	three years. Each year's dat	a must be based on a 1	
	a. Design flow rate Z . O mgd				
		Two Years Ago	Last Year	This Year	
	b. Annual average daily flow rate	0.674	0.847	0.914	mgd
	c. Maximum daily flow rate	1,751	2.415	1.836	mgd
	Collection System. Indicate the type(s) of contribution (by miles) of each.	ollection system(s) used by	the treatment plant. Check	all that apply. Also estir	
	Separate sanitary sewer				%
	Combined storm and sanitary sewe	r			_ %
A.8.	Discharges and Other Disposal Methods.				
	a. Does the treatment works discharge efflu	ent to waters of the U.S.?		√ Yes	No
	If yes, list how many of each of the follow		- uts the treatment works uses:		
	Discharges of treated effluent	ing types of disoritings poin	no no nontre worke about	1	
	ii. Discharges of untreated or partially tr	eated effluent		<u>. </u>	
	iii. Combined sewer overflow points				
	iv. Constructed emergency overflows (pr	ior to the headworks)			
	v. Other	ior to the modern onto,			
1	b. Does the treatment works discharge efflu impoundments that do not have outlets for			Yes	✓ No
	If yes, provide the following for each surfa	ice impoundment:			
	Location:				
	Annual average daily volume discharged	to surface impoundment(s		m	ngd
	Is discharge continuous or	intermitten	t?		
	c. Does the treatment works land-apply trea	ted wastewater?	_	Yes	✓ No
	If yes, provide the following for each land	application site:	•		
	Location:				
	Number of acres:				
	Annual average daily volume applied to s	ite:	Mgd		
	Is land application continu	ious or inter	mittent?		

	Y NAME AND PERMIT NUMBER: Dro Lagoon AL0057193	Form Approved OMB Number 2		
	If yes, describe the mean(s) by which the wastewater from the treatment works (e.g., tank truck, pipe).	ent works is discharged or transported to the other treatn	nent	
	If transport is by a party other than the applicant, provide:			
	Transporter name:			
	Mailing Address:			
	Contact person:			
	Title:			
	Telephone number:			
	Mailing Address:			
	Contact person:			
	Title:			
	Telephone number:			
		hat receives this discharge.		
	Telephone number:		_ mgd	
e.	Telephone number: If known, provide the NPDES permit number of the treatment works the streatment works the strea	receiving facility.	_ mgd _ No	
e.	Telephone number: If known, provide the NPDES permit number of the treatment works the Provide the average daily flow rate from the treatment works into the reason to be the treatment works discharge or dispose of its wastewater in a	receiving facility.	_	

		Y NAME AND PERMIT						Form Approved OMB Number 2	
Gree	nsb	oro Lagoon AL00571 	93 		:				
li W	yo hici	n effluent is discharged.	uestion A.8.a, complete ques	H d	ombined sewer or	verflows i	n this sectio	tfall (including bypass points) thr n. If you answered "no" to que an or Equal to 0.1 mgd."	ough stion
	_								
A.9.		scription of Outfall.	•••		1 f				
	a.	Outfall number	001		:				
	b.	Location	Greensboro (City or town, if applicable)					36744 Zip Code)	
			Hale					Alabama	
			(County) 32-38-31		4 44444			State) 87-44-48	
			(Latitude)					Longitude)	
	C.	Distance from shore (if	applicable)		***************************************	55.00	ft.		
	d.	Depth below surface (i	f applicable)		1	23.35	ft.		
	e.	Average daily flow rate	,			0.92			
	С.	Average daily now rate				0.02	mgu ,		
	f.	Does this outfall have a periodic discharge?	either an intermittent or a			′es	1	No (go to A.9.g.)	
		If yes, provide the follo	wing information:			_	······		
		Number of times per ye	ear discharge occurs:		1				
		Average duration of ea				,		Marian	
		Average flow per disch	•					mgd	
		Months in which discha	-						
		World of Wilcon Gloon	ingo occurs.						
	g.	Is outfall equipped with	a diffuser?		✓ Y	es _		No	
A.10.	De	scription of Receiving	Waters.						
	a.	Name of receiving water	er Black Warrior R	ive	et				
	b.	Name of watershed (if	known)		-				
		United States Soil Con	servation Service 14-digit wat	ers	shed code (if know	vn):			
	C.	Name of State Manage	ement/River Basin (if known):			_			
		United States Geologic	al Survey 8-digit hydrologic c	ala	loging unit code (i	if known):	:		
	d.	Critical low flow of rece acute	eiving stream (if applicable):		chronic _		cfs		
	e.		iving stream at critical low flow	v (f applicable):		mg/l	of CaCO ₃	

FACILITY NAME AND PE		BER:	_					Approved 1/14/99 Number 2040-0086
A.11. Description of Trea	atment.							
	reatment are nary vanced	provided? C	√ Se	at apply. condary her. Describe:				
b. Indicate the follo	owing remova	al rates (as a	applicable):					
Design BOD _s re						85	· %	
Design SS remo		5				65		
Design P remov							— <u> </u>	
Design N remov							% %	
_	rai						% %	
Other	1-6		50 1 6			<u> </u>		
	amection is u	sea for the e	emuent fron	n this outfall? If di	isintection varies	by season, p	lease describe.	
None								No No
	•			ed for this outfall?	–	Ye		
d. Does the treatm	ent plant hav	e post aera	tion?		-	Ye	es <u>V</u>	No
A.12. Effluent Testing Interpretation	le the indica	ted effluent	t testing re	quired by the pe	ermitting author	ity <u>for each c</u>	outfall through w	hich effluent is
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu	le the indica t include inf analysis con and other a uent testing	ted effluent formation of ducted usi ppropriate data must	t testing re on combine ng 40 CFR QA/QC req be based o	quired by the ped sewer overflov Part 136 method uirements for st n at least three s	ermitting author ws in this section ds. In addition, tandard method	ity <u>for each con.</u> All inform this data mu s for analyte ust be no mo	outfall through w nation reported m ist comply with C s not addressed are than four and	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart.
parameters. Provid <u>discharged</u> . Do no collected through a of 40 CFR Part 136 At a minimum, efflu	le the indica t include inf analysis con and other a uent testing	ted effluent formation o ducted usi ppropriate data must l	t testing re in combine ng 40 CFR QA/QC req be based o	quired by the ped sewer overflov Part 136 method uirements for st n at least three s	ermitting author ws in this secti ds. In addition, tandard method samples and m	ity for each con. All inform this data must for analyte ust be no mo	outfall through wation reported mest comply with Ces not addressed ore than four and	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart.
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu	le the indica t include inf analysis con and other a uent testing	ted effluent formation o ducted usi ppropriate data must	t testing re on combine on combine on 40 CFR QA/QC req be based o	quired by the ped sewer overflov Part 136 method uirements for st n at least three s	ermitting author ws in this section ds. In addition, tandard method	ity for each con. All inform this data must for analyte ust be no mo	outfall through wation reported mest comply with Ces not addressed ore than four and	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart.
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE	le the indica t include inf analysis con and other a uent testing	ted effluent formation o iducted usi ppropriate data must	t testing re on combine on combine on combine on combine on do CFR QA/QC req be based o MAXIMUM Value	quired by the ped sewer overflov Part 136 method uirements for st n at least three s	ermitting author ws in this secti ds. In addition, tandard method samples and m	ity for each con. All inform this data must for analyte ust be no mo	outfall through wation reported mest comply with Ces not addressed ore than four and	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart.
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum)	le the indica t include inf analysis con and other a uent testing	ted effluent formation o ducted usi ppropriate data must	t testing re on combine on combine on 40 CFR QA/QC req be based o MAXIMUM Value	quired by the ped sewer overflov Part 136 method uirements for st n at least three s DAILY VALUE Units s.u. s.u.	ermitting author ws in this section ds. In addition, tandard method samples and method	ity for each con. All inform this data must for analyte ust be no mo	putfall through we nation reported mest comply with Os not addressed one than four and RAGE DAILY VAL	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate	le the indica t include inf analysis con and other a uent testing	ted effluent formation o ducted usi ppropriate data must	t testing re on combine on combine on combine on combine on do CFR QA/QC req be based o MAXIMUM Value	quired by the ped sewer overflov Part 136 method uirements for st n at least three s DAILY VALUE Units s.u.	ermitting author ws in this secti ds. In addition, tandard method samples and m	ity for each con. All inform this data must for analyte ust be no mo	outfall through wation reported mest comply with Ces not addressed ore than four and	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart.
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate Temperature (Winter)	le the indica t include inf analysis con and other a uent testing	ted effluent formation o ducted usi ppropriate data must	t testing re on combine on combine on 40 CFR QA/QC req be based o MAXIMUM Value	quired by the ped sewer overflov Part 136 method uirements for st n at least three s DAILY VALUE Units s.u. s.u.	ermitting author ws in this section ds. In addition, tandard method samples and method	ity for each con. All inform this data must for analyte ust be no mo	putfall through we nation reported mest comply with Os not addressed one than four and RAGE DAILY VAL	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate	le the indica t include inf analysis con and other a uent testing 001	ted effluent formation of ducted usi ppropriate data must l	t testing re in combine in combine in g 40 CFR QA/QC req be based of the based of t	quired by the ped sewer overflov Part 136 method uirements for st n at least three s DAILY VALUE Units s.u. s.u.	ermitting author ws in this section ds. In addition, tandard method samples and method	ity for each con. All inform this data must for analyte ust be no mo	putfall through we nation reported mest comply with Os not addressed one than four and RAGE DAILY VAL	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer)	le the indica t include inf analysis con and other a uent testing 001	ted effluent formation of ducted usi ppropriate data must i	t testing re on combine on combine on combine on galacter of the based	quired by the ped sewer overflow Part 136 method uirements for st n at least three substituting the period of the	ermitting author ws in this section ds. In addition, tandard method samples and method	AVER	putfall through we nation reported mest comply with Os not addressed one than four and RAGE DAILY VAL	hich effluent is nust be based on data QA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer) * For pH please repo	le the indica t include inf analysis con and other a uent testing 001	ted effluent formation of ducted usi ppropriate data must i	t testing re in combine in combine in g 40 CFR QA/QC req be based of the based of t	quired by the ped sewer overflow Part 136 method uirements for st n at least three substituting the period of the	ermitting author ws in this section of the section	AVER	ANALYTICAL	hich effluent is nust be based on data NA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE pH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer) * For pH please repo	le the indica ti include inf analysis con and other a uent testing 001 ER	n and a max MAXIMU DISCI- Conc.	t testing re in combine in combin	quired by the ped sewer overflow Part 136 method uirements for st n at least three st	value O . 9 16 GE DAILY DISC	AVER	ANALYTICAL	hich effluent is nust be based on data NA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE PH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) * For pH please repo POLLUTANT CONVENTIONAL AND NO	le the indica ti include inf analysis con and other a uent testing 001 ER	n and a max MAXIMU DISCI- Conc.	t testing re in combine in combin	Quired by the ped sewer overflow Part 136 method uirements for st n at least three st	value O . 9 16 GE DAILY DISC	AVER	ANALYTICAL	hich effluent is nust be based on data NA/QC requirements by 40 CFR Part 136. one-half years apart. UE Number of Samples
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE PH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer) * For pH please report POLLUTANT CONVENTIONAL AND NO	DNCONVENT	n and a max MAXIMU DISCH	t testing re in combine in combin	Quired by the ped sewer overflow Part 136 method uirements for st in at least three states at least three stat	value O . 9 16 GE DAILY DISC	AVER	ANALYTICAL	hich effluent is nust be based on data that be based on data that the based on the based
parameters. Provid discharged. Do no collected through a of 40 CFR Part 136 At a minimum, efflu Outfall number: PARAMETE PH (Minimum) pH (Maximum) Flow Rate Temperature (Winter) Temperature (Summer) * For pH please report POLLUTANT CONVENTIONAL AND NO	onconvent	n and a max MAXIMU DISCH	t testing re in combine in combin	quired by the ped sewer overflow Part 136 method uirements for st in at least three states and least three states are states and least three states are state	ermitting author ws in this section of the section	AVEF	ANALYTICAL METHOD	hich effluent is nust be based on data that be based on data that the based on the based

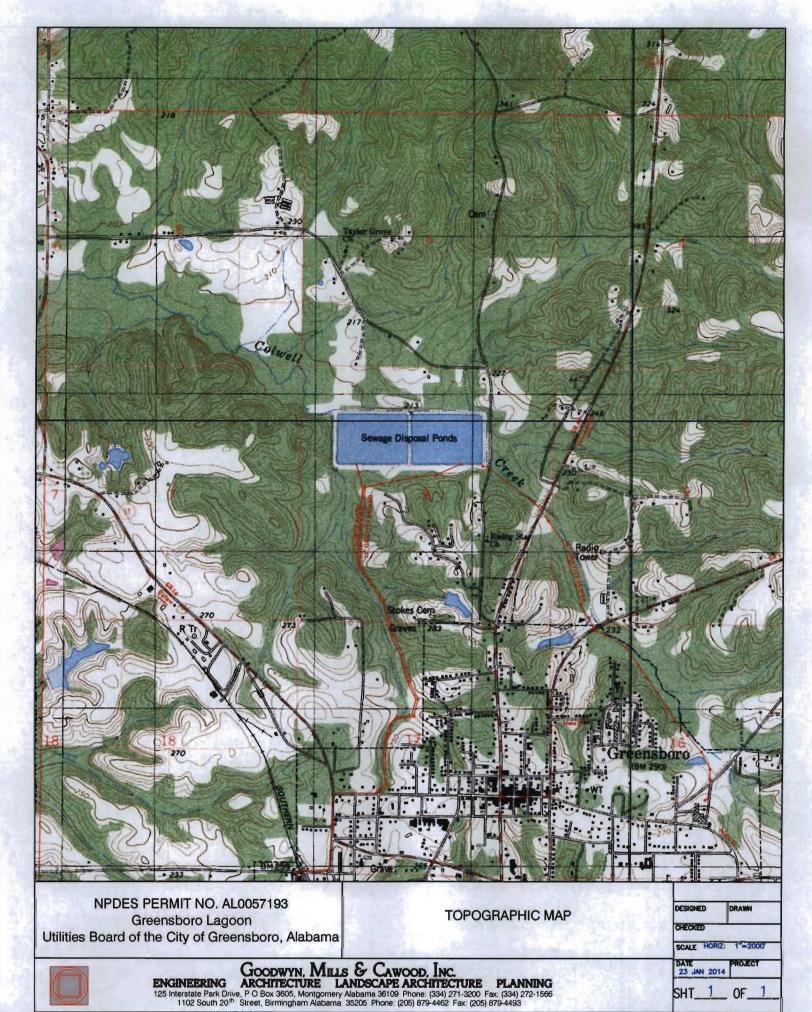
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE

		Y NAME AND PERMIT NUMBER: oro Lagoon AL0057193	Form Approved 1/14/99 . OMB Number 2040-0086
ВА	SI	C APPLICATION INFORMATION	
PAF	TE		PLICANTS WITH A DESIGN FLOW GREATER THAN OR
A.II	!: -	EQUAL TO 0.1 MGD (100,000 gallons per day).	househ D.C. All others on to Both C (Codification)
	_	cants with a design flow rate ≥ 0.1 mgd must answer questions B.1 thr	
В.1.	in	flow and Infiltration. Estimate the average number of gallons per da	lay that flow into the treatment works from inflow and/or inflitration.
		efly explain any steps underway or planned to minimize inflow and inf	
		MULTI-YEAR EFFORT TO REPAIR AND LINE THE	
		OR THE CITY, AS WELL AS REPAIR AND LINE T	THE MANHOLES.
B.2.	Th		e area extending at least one mile beyond facility property boundaries. Ition. (You may submit more than one map if one map does not show
	a.	The area surrounding the treatment plant, including all unit processes	ses.
	b.	The major pipes or other structures through which wastewater enters treated wastewater is discharged from the treatment plant. Include of	ers the treatment works and the pipes or other structures through which e outfalls from bypass piping, if applicable.
	C.	Each well where wastewater from the treatment plant is injected und	nderground.
	d.	Wells, springs, other surface water bodies, and drinking water wells works, and 2) listed in public record or otherwise known to the applic	s that are: 1) within 1/4-mile of the property boundaries of the treatment licant.
	e.	Any areas where the sewage sludge produced by the treatment wor	orks is stored, treated, or disposed.
	f.	If the treatment works receives waste that is classified as hazardous truck, rail, or special pipe, show on the map where that hazardous w disposed.	us under the Resource Conservation and Recovery Act (RCRA) by waste enters the treatment works and where it is treated, stored, and/or
B.3.	bac chic	cess Flow Diagram or Schematic. Provide a diagram showing the kup power sources or redundancy in the system. Also provide a water palance must show daily averages between treatment units. Include a brief narrative description of	ter balance showing all treatment units, including disinfection (e.g, rerage flow rates at influent and discharge points and approximate daily
B.4.	Оре	eration/Maintenance Performed by Contractor(s).	
		any operational or maintenance aspects (related to wastewater treatr tractor?YesYo	tment and effluent quality) of the treatment works the responsibility of a
		es, list the name, address, telephone number, and status of each cont es if necessary).	ntractor and describe the contractor's responsibilities (attach additional
	Nar	ne:	
	Mai	ling Address:	
	Tele	ephone Number:	
		ponsibilities of Contractor:	
B.5.	unc trea		ide information on any uncompleted implementation schedule or itment, effluent quality, or design capacity of the treatment works. If the anning several improvements, submit separate responses to question

List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

b. Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

__Yes <u>√</u>No

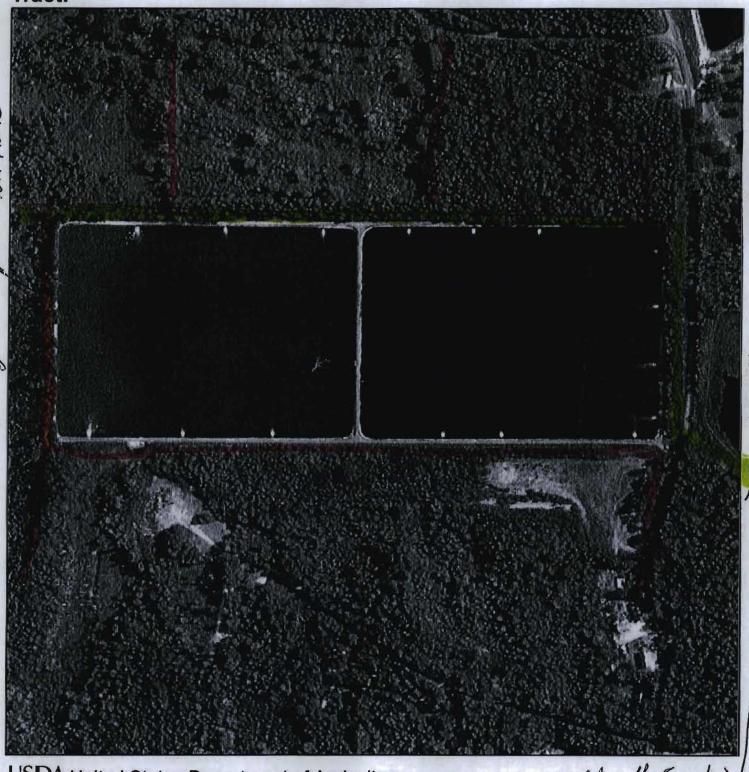


SHT_1_ OF_1

FSN:

Daing Outely into coloured

Tract:



USDA United States Department of Agriculture Farm Service Agency

Caldwell Creek



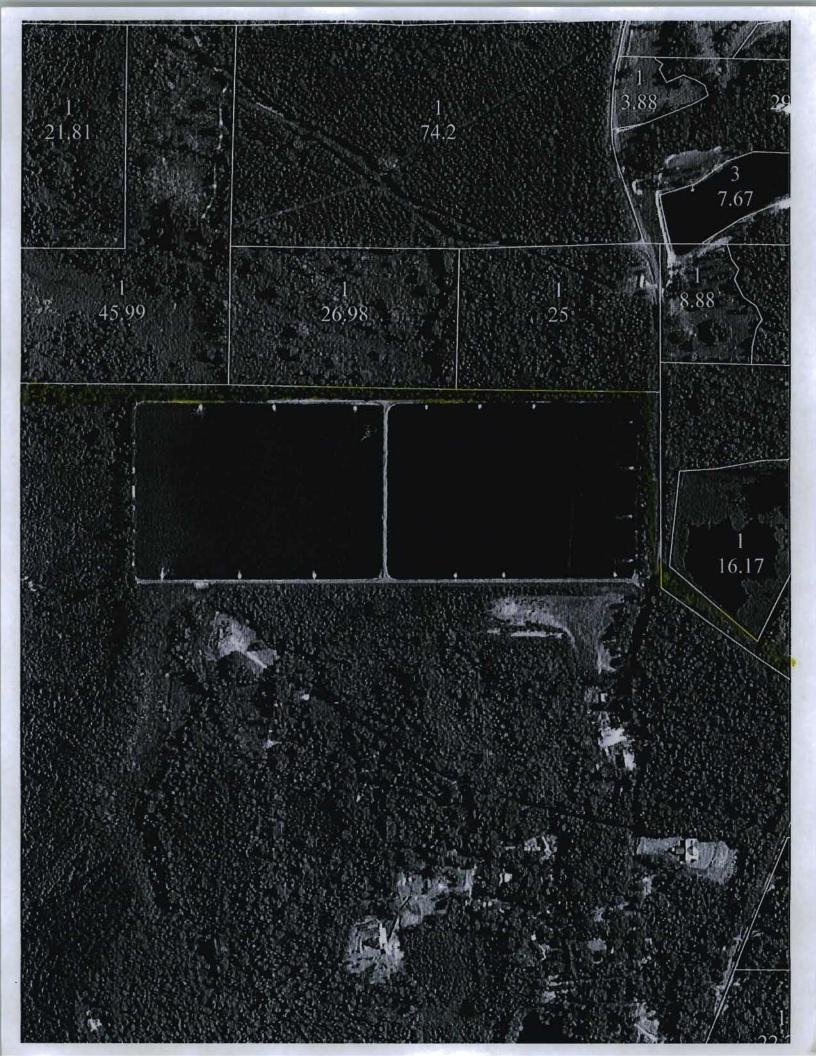
Hale Co. FSA

Digital Orthophotography
Not to Scale

Cell 2 - 25,0 Acres

Cell 3 - 37.5 Acres

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS.



Tract: ****



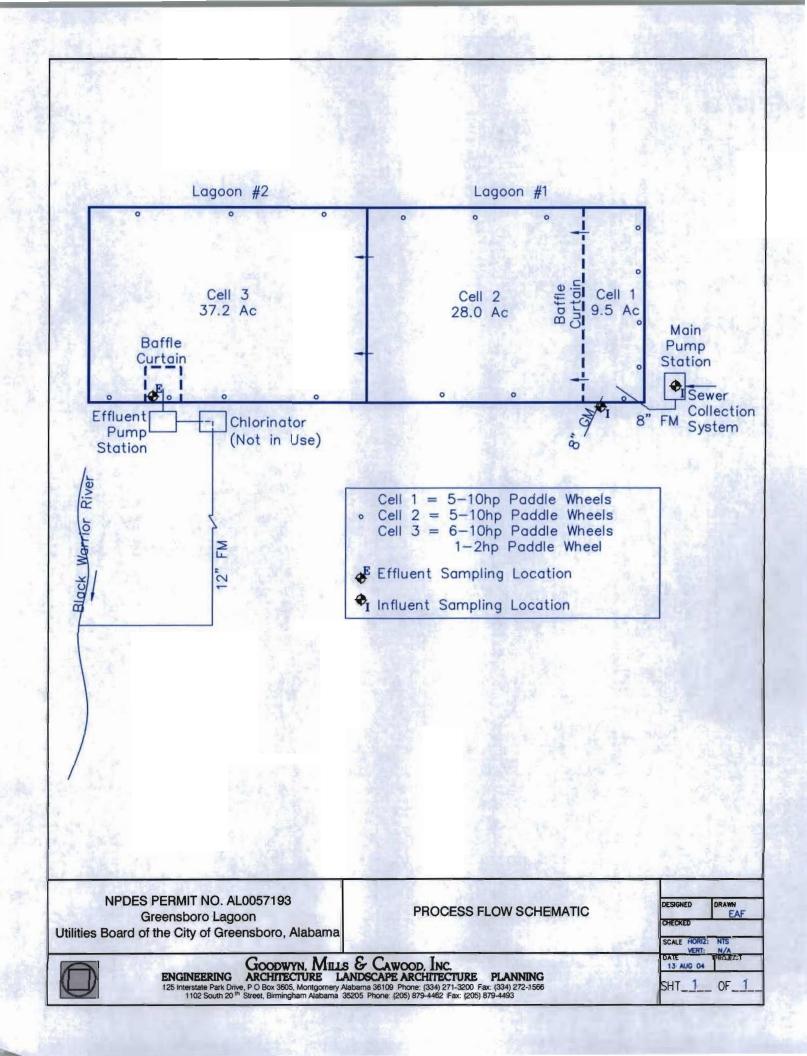
USDA United States Department of Agriculture Farm Service Agency



Hale Co. FSA

Digital Orthophotography Not to Scale February 25, 2009

Disclaimer: Wetland identifiers do not represent the size, shape or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact wetland boundaries and determinations, or contact NRCS



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FACILITY NAME AND PE		:					proved 1/14/99 umber 2040-0086
		iefly describe, in	cluding new maxi	mum daily inflo	w rate (if application	able).	
applicable. For i	nposed by any col improvements pla cate dates as acc	anned independe	ently of local, Stat	dates of comple le, or Federal ag	etion for the impl gencies, indicate	ementation steps liste planned or actual co	d below, as mpletion dates, as
		Schedule	· /	Actual Completi	ion		
Implementation 8	Stage	MM / DD	/ YYYY N	M/DD/YYYY	4		
 Begin construct 	tion:	//	/	_/_/	-		
End construction	on			_/_/			
 Begin discharg 	æ			_!!			
 Attain operation 	nai level	_/_/	'_ _	_/_/			
e. Have appropriate	nermits/dearand	res concemina c	other Federal/Stat	a requirements	hoon ohtsined?	? Yes	No
		_	oner receianolar	•			140
Gosonio silony.							
B.6. EFFLUENT TESTING	DATA (GREATE	R THAN 0.1 M	GD ONLY).				
testing required by the overflows in this secti methods. In addition,	e permitting authorion. All information, this data must contain analytes not add	ority <u>for each cut</u> on reported must omply with QA/Q fressed by 40 CF	tfall through which t be based on dat aC requirements of FR Part 136. At a	n effluent is disc a collected thro of 40 CFR Part	<u>charged.</u> Do no ough analysis co 136 and other a	eters. Provide the inc t include information on inducted using 40 CF appropriate QA/QC rec must be based on at	on combined sewer R Part 136 quirements for
POLLUTANT		UM DAILY	AVERAC	SE DAILY DISC	CHARGE		
	Conc.	HARGE Units	Conc.	Units	Number of Samples	ANALYTICAL METHOD	ML/MDL
CONVENTIONAL AND NO	NCONVENTIONA	L COMPOUND	S.				
AMMONIA (as N)	3.3	inglé	2.7	mg/2	7		20
CHLORINE (TOTAL	-2	7.512	2.1	M512	- 7	SAMPLE / MEAS	
RESIDUAL, TRC)	40.05	mg/L	40.05	mg/L	à		0.05
DISSOLVED OXYGEN	10.01	mg/L	10.1	mg/L	1		
TOTAL KJELDAHL NITROGEN (TKN)	7.1	mg/2	7.1	wyle	-7	13	REILET
NITRATE PLUS NITRITE			0.4	m lê	7		REFERT
NITROGEN DIL and GREASE	6.4	My/X	0.7	- My 12		, -	Kejosoi
PHOSPHORUS (Total)	3.1	myla	2101		7	11	REN.25
OTAL DISSOLVED		7.312	3.1 mf=	my 12	 -7 - 		1270,01
SOLIDS (TDS)	188	mg/L	188	mg/L	1		
THER							
REFER TO THE A	PPLICATION	ON OVERV	END OF PA	TERMINE		OTHER PARTS	S OF FORM

FACILITY NAME AND PERMIT NUMBER:		Form Approved 1/14/99 OMB Number 2040-0086
Greensboro Lagoon AL0057193		. ONE NUMBER 2040-0000
BASIC APPLICATION INFORMA	TION	
PART C. CERTIFICATION		
All applicants must complete the Certification Secti applicants must complete all applicable sections of	Form 2A, as explained in the Aps certification statement, applica	rmine who is an officer for the purposes of this certification. All oplication Overview. Indicate below which parts of Form 2A you not sonfirm that they have reviewed Form 2A and have completed
Indicate which parts of Form 2A you have com	pleted and are submitting:	
Basic Application Information packet	Supplemental Application I	nformation packet:
	Part D (Expanded	Effluent Testing Data)
	Part E (Toxicity Te	esting: Biomonitoring Data)
	Part F (Industrial I	Jser Discharges and RCRA/CERCLA Wastes)
	Part G (Combined	Sewer Systems)
ALL APPLICANTS MUST COMPLETE THE FOLI	LOWING CERTIFICATION.	
designed to assure that qualified personnel proper who manage the system or those persons directly	ly gather and evaluate the inform responsible for gathering the info	under my direction or supervision in accordance with a system nation submitted. Based on my inquiry of the person or persons ormation, the information is, to the best of my knowledge and for submitting false information, including the possibility of fine
Name and official title John C. Jay, Jr. Supe	erintendent	
Signature July	Jay Jr -	
Telephone number (334) 24-8448		
Date signed $2 - 25 - 1$	14 John	- Joy Jr
Upon request of the permitting authority, you must works or identify appropriate permitting requiremen		cessary to assess wastewater treatment practices at the treatment

SEND COMPLETED FORMS TO:

334-624-8255

p.2

FACILITY NAME AND PERMIT NUMBER:

Greensboro Lagoon AL0057193

Form Approved 1/14/99 CMB Number 2049-0086

SUPPLEMENTAL APPLICATION INFORMATION

PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sever overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number: 0012 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	MAXIMUM DAILY DISCHARGE				A۱	ÆRAGE	DAILY	DISCH	ARGE		
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
METALS (TOTAL RECOVERABLE), C	YANIDE,	PHENO	LS, AND	HARDNE	SS.				•		
ANTIMONY	0	mg/L	0	ibs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.01
ARSENIC	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.01
BERYLLIUM	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.004
CADMIUM	0	mg/L	0	lbs/day	0	mg/L	0	ibs/day	3	EPA 200.7	0.07
CHROMILM	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3_	EPA 200.7	0.07
CCPPER	3.94	mg/L	42.9	lbs/day	1.40	mg/L	17.4	lbs/day	3	EPA 200.7	0.04
LEAD	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.05
MERCURY	0,0002	mg/L	0.002	lbs/day	0.0001	mg/L	0.001	lbs/day	3	EPA 245.1	0.0002
NICKEL	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.07
SELENIU W	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.01
SILVER	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.04
THALLIUM	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	EPA 200.7	0.01
ZINC	0.06	mg/L	0.653	lbs/day	0.03	mg/L	0.33	lbs/day	3	EPA 200.7	0.02
CYANIDE	0	mg/L	0	lbs/day	0	mg/L	0	lbs/day	3	4500 CN-	0.02
TOTAL PHENOLIC COMPOUNDS	0.28	mg/L	3.47	lbs/day	0.09	mg/L	1 .16	lbs/day	3	SM 5530	0.07
HARDNESS (AS CaCO ₃)	48.9	_			44.9	_			3	SM 2340B	1.0
Use this space (or a separate sheet) to	provide in	formatio	n on other	metals re	quested t	y the per	mit writer		-		
	 							-			
					L	<u> </u>		l l			<u> </u>

FACILITY NAME AND PERMIT NUMBER: Greensboro Lagoon AL0057193

Form Approved 1/14/99 OMB Number 2040-0085

Outfall number: 0012 POLLUTANT			M DAIL	ch outfall							
7 SEESTAN	Conc.		ARGE Mass	Units	Conc.	VERAGE Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
VOLATILE ORGANIC COMPOUNDS.	_					"ı					
ACROLEIN	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
ACRYLONITRILE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
BENZENE	0	µg/ L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
BROMOFORM	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
CARBON TETRACHLORIDE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
CLOROBENZENE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
CHLORODIBROMO-METHANE	0	µg/L	0	lbs/day	0	µg/L	0	fbs/day	3	EPA 624	5
CHLOROETHANE	0	pg/L	0	ibs/day	0	µg/L	0	lbs/day	3	EPA 624	5
2-CHLORO-ETHYLVINYL ETHER	0	μg/L	0	ibs/day	0	µg/L	0	lbs/day	3	EPA 624	5
CHLOROFORM	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
DICHLOROBROMO-METHANE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
1,1-D CHLOROETHANE	0	µg/L	0	lbs/day	0	μg/L	0	ibs/day	3	EPA 624	5
1,2-D:CHLOROETHANE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
TRANS-1,2-DICHLORO-ETHY LENE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
1,1-DICHLOROETHYLENE	0	µg/L	0	lbs/day	0	µg/L	0	ibs/day	3	EPA 624	5
1,2-DICHLOROPROPANE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
1,3-DICHLORO-PROPYLENE	0	μ g /L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
ETHYLBENZENE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
METHYL BROWIDE	0	μ g/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
METHYL CHLORIDE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
METHYLENE CHLORIDE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
1,1,2,2-TETRACHLORO-ETHANE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
TETRACHLORO-ETHYLENE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
TOLUENE	0	μg/L	0	lbs/day	0	μg/L	0	ibs/day	3	EPA 624	5

Greensboro Lagoon AL0057193

Form Approved 1/14/99 OMB Number 2040-0086

						-			the United	States.)	
POLLUTANT	V		IM DAIL'	Y	AVERAGE DAILY DISCHARGE						
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
I,1,1-TRICHLOROETHANE	0	μg/L	0	ibs/day	0	µg/L	0	lbs/day	3	EPA 624	5
1,1,2-TRICHLOROETHANE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 624	5
TRICHLORETHYLENE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 624	5
VINYL CHLORIDE	0	µg/L	0	lbs/day		μg/L	0	lbs/day	3	EPA 624	5
Use this space (or a separate sheet) to	provide in	fo∵ma ti or	on other	volatile c	rganic cor	mpounds	requested	by the p	ermit wäter.		
ACID-EXTRACTABLE COMPOUNDS											
P-CHLORO-M-CRESOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
2-CHLOROPHENOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
2,4-DICHLOROPHENOL	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
2,4-DIMETHYLPHENOL	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
4,6-DINITRO-O-CRESOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 625	27.2
2,4-DINITROPHENOL	0	μg/L	0	lbs/day	0	µg/L	0	ibs/day	4	EPA 625	27.2
2-NITROPHENOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
4-NITROPHENOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
PENTACHLOROPHENOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	50
PHENOL	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
2,4,6-TRICHLOROPHENOL	0	μg/L	0	lbs/day)	μg/L	0	lbs/day	4	EPA 625	10.9
Use this space (or a separate sheet) to	provide in	formation	on other	acid-extr	actable co	mpounds	requeste	d by the	permit writer.		
BASE-NEUTRAL COMPOUNDS.											
ACENAPHTHENE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
ACENAPHTHYLENE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
ANTHRACENE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
BENZIDINE	0	μg/L	0	lbs/day	0	μg/L	0	ibs/day	3	EPA 625	109
DENZO/A\ANTEDACENE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
BENZO(A)ANTHRACENE	_										

Greensboro Lagoon AL0057193

Form Approved 1/14/99 OMB Number 2040-0086

Outfall number: 0012 (Complete once for each outfall discharging ef							Juent to waters of the United States.)				
POLLUTANT	ħ		M DAIL	Ŷ	AVERAGE DAILY DISCHARGE						
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
3,4 BENZO-FLUORANTHENE	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
BENZO(GHI)PERYLENE	0	μ g/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
BENZO(K)FLUORANTHENE	0	μ g/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
BIS (2-CHLOROETHOXY) METHANE	0	μg/L	0	lbs/day	0	μg/L	0	ibs/day	4	EPA 625	10.9
BIS (2-C+LOROETHYL)-ETHER	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
BIS (2-CHLOROISO-PROPYL) ETHER	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
BIS (2-ETHYLHEXYL) PHTHALATE	0	µg/L	0	lbs/day	0	μg/L	0	ibs/day	4	EPA 625	10.9
4-BROMOPHENYL PHENYL ETHER	0	μg/L	0	lbs/day	0	μg/L	0	b s/day	4	EPA 625	10.9
BUTYL BENZYL PHTHALATE	0	μ g/ L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
2-CHLORONAPHTHALENE	0	μ g/ L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
4-CHLORPHENYL PHENYL ETHER	0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
CHRYSENE	0	μg/L	0	lbs/day	0	μg/L	0	bs/day	4	EPA 625	10.9
DEN-BUTYL PHTHALATE	0	µg/L	0	lbs/day	0	µg/L	0	ibs/day	4	EPA 625	10.9
DEN-OCTYL PHTHALATE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
DIBENZO(A,H) ANTHRACENE	0	µg/L	0_	lbs/day	0	µg/L	0	bs/day	4	EPA 625	10.9
1,2-DICH_OROBENZENE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
1,3-DICH_OROBENZENE	0	µg/L	0	l bs /day	0	μg/L	0	lbs/day	4	EPA 625	10.9
1,4-DICHLOROBENZENE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
3,3-CICHLOROBENZIDINE	0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 625	10.9
DIETHYL PHTHALATE	0	μg/L	0	lbsiday	0	μg/L	0	lbs/day	4	EPA 625	10.9
DIMETHYL PHTHALATE	0	µg/L	0	lbs/day	0	μg/L	0	ibs/day	4	EPA 625	10.9
2,4-DINITROTOLUENE	0	µg/L	0	lbs/day	0	µg/L	0	ibs/day	4	EPA 625	10.9
2 6-DINITROTOLUENE	0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
1.2-DIPHENYLHYDRAZINE	0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	3	EPA 625	10.9

Greensboro Lagoon AL0057193

Form Approved 1/14/99 OMB Number 2040-0086

(Out in	CIC OIL	C IOI Cat	on Outlan	การดูเกลเดี	and cur	TELL TO A	(C) \$ ()	the United	Sizies.j	
, n			Y	A	VERAGE	DAILY	DISCH	ARGE		
Conc	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	ibs/day	0	µg/L	0	lbs/day	4	EPA 625	50
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	μg/L	0	lbs/day	0	µg/L	0	ibs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	μg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	625.00	10.9
0	µg/L	0	lbs/day	0	µg/L	0	los/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	μg/L	0	lbs/day	4	EPA 625	10.9
0	μg/L	0	lbs/day	0	μg/L	0	lbs/day	3	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	μ g/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
0	µg/L	0	lbs/day	0	µg/L	0	lbs/day	4	EPA 625	10.9
prov de in	formation	on athe	base-net	atral comp	ounds rec	quested b	y the per	mit writer.		
provde in	formation	on other	ndlutant	s (e.g. pe	sticides)	requester	by the n	ermit writer	LIE ALIEN	
, browne in		, on one	puntant	. (c.g., pe	- Kindes/	- queste t		Caran Willer.		
	Conc O	MAXIMUDISCH Conc. Units Units	MAXIMUM DAIL DISCHARGE Conc. Units Mass O µg/L O	MAXIMUM DAILY DISCHARGE Conc. Units Mass Units Units Mass Units O µg/L O Ibs/day O Ibs/day O µg/L O Ibs/day O µg/L O Ibs/day O Ib	MAXIMUM DAILY DISCHARGE Conc. Units Mass Units Conc.	MAXIMUM DAILY DISCHARGE Conc. Units Mass Units Conc. Units O µg/L O Ibs/day O µg/L	MAXIMUM DAILY DISCHARGE Conc. Units Mass Units Conc. Units U	MAXIMUM DAILY DISCHARGE Conc. Units Mass Units Units Conc. Units Mass Units O µg/L O Ibs/day O µg/L O Ibs/da	MAXIMUM DAILY DISCHARGE	MAXIMUM DAILY DISCHARGE

END OF PART D.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMB Greensboro Lagoon AL0057193	ER:		Form Approved 1/14/99 OMB Number 2040-0086					
			MALE SERVICE S					
SUPPLEMENTAL APPLICATION INFORMATION								
PART E. TOXICITY TESTING	DATA							
PORVIS meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 10 mgd, 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403), or 3) POTWs required by the permitting authority to submit data for these parameters • At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. On not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. • In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation if one was conducted. • If you have already submitted any of the information requested in Part E, you need not submit it again. Rather, provide the information requested in question E.4 for previously submitted information. If EPA methods were not used, report the reasons for using alternate methods. If test summanias are available that contain all of the Information requested below, they may be submitted in place of Part E. If no biomonitoring data is required, do not complete Part								
		if more than three tests are being re						
a. Test information.	rest number	rest number.	rest number.					
Test species & test method number								
Age at initiation of test	CERIODADHNIA DUBIA	PIMEDHALAS PODMELAS						
Outfall number	24 Hz	2-3 DAYS						
	0017	001T						
Dates sample collected	10/7/13 10/8/13	10/7/13 - 10/8/13						
Date test started	10/8/13 - 10/10/13	10/9/13-10/11/13						
Duration	47 Has	46 Has	A STATE OF THE STA					
b. Give toxicity test methods follow	48 HR CRAID DE PHUINTEX	48 the FATHEAD MINNIGHT TO						
Manual title	TEST EN MATER # 2002.0	TEST EPA METHOD# LOCO.C						
Edition number and year of publication	philosophy and the second state of the second		444					
Page number(s)								
c. Give the sample collection method(s) used. For multiple grab samples, indicate the number of grab samples used.								
24-Hour composite	سسن	-						
Grab		·						
d. Indicate where the sample was to	aken in relation to disinfection. (Chec	k all that apply for each)						
Before disinfection	N/A	N/A						
After disinfection								
After dechlorination								

FACILITY NAME AND PERMIT NUMBE	R:		Form Approved 1/14/99 OMB Number 2040-0086
Greensboro Lagoon AL0057193			CIND Hall Day 2010 0000
	Test number:	Test number: 1A	Test number:
e. Describe the point in the treatme	ent process at which the sample was	collected.	
Sample was collected:	EFFLUENT DISCHARGE	EFFLUENT DISCHAPLE	
f. For each test, include whether the	e test was intended to assess chroni	ic toxicity, acute toxicity, or both.	
Chronic toxicity			dering hand to appropriate the second
Acute toxicity	Section	~	
g. Provide the type of test performe	d.		
Static	48 HR ACUTE SCREENING	48 HR ACUTE SCREENING	
Static-renewal			
Flow-through			
h. Source of dilution water. If labora	atory water, specify type; if receiving	water, specify source.	
Laboratory water	MHRW	MHRW	
Receiving water			
i. Type of dilution water. It salt wate	er, specify "natural" or type of artificia	l sea salts or brine used.	
Fresh water			
Salt water			
j Give the percentage effluent used	for all concentrations in the test seri	es.	
	7%	7%	
A CONTROL OF THE STATE OF THE S			
Pengan Canada Angaran na Lagaran na Calaban			
k. Parameters measured during the	test. (State whether parameter meet	s test method specifications)	
ρΗ	7.44 - 8.25	7.30-8.25	
Salinity			
Temperature	24°C -25°C	24:0°C-24.8°C	
Ammonia			
Dissolved oxygen	8.5-8.7	8.0 8.7	
I. Test Results.			
Acute:			
Percent survival in 100% effluent	%	%	%
LC ₅₀			
95% C I.	%	%	%
Control percent surviyal	100 %	100 %	%
Other (describe) 7%	100%	100%	

FACILITY NAME AND PERMIT NUMBER Gircensboro Layoon AL0057193	R:		Form Approved 1/14/99 OMB Number 2040-0086
Chronic		anner i vir tar 🖟 reservatione en e	age Ada
NOEC	%	%	of
IG ₂₅	H	%	5%
Control percent survival	%	%	%
Other (describe)		The state of the s	
m. Quality Control/Quality Assurance	ce.	Anterior reggy gray gray of the destination and a second of the second problem of the second	
is reference toxicant data available?	a called a single control of the called a called	and the second s	
Was reference toxicant test within acceptable bounds?			
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			
Yes No !f yes, o		xicity Reduction Evaluation?	
E.4. Summary of Submitted Blomonitoricause of toxicity, within the past four summary of the results.	ing Test Information. If you have and one-half years, provide the date	submitted biomonitoring test informations the information was submitted to the	on, or information regarding the epermitting authority and a
Date submitted:	(MM/DD/YYYY)		
Summary of results: (see Instruction	s)		
REFER TO THE APPLICAT	END OF PA		R PARTS OF FORM

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM
2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMB	BER:		Form Approved 1/14/99 CMB Number 2040-0086
Greensboro Lagoon AL0057193			
SUPPLEMENTAL APPLI	CATION INFORMATION	<u> </u>	
PART E. TOXICITY TESTING	DATA		
POTWs meeting one or more of the following		e of whole affluent toyloty tests for ac	ute or chronic toxicity for each of
two species), or the results in results show no appreciable not include information on community and include using 46 and other appropriate QA/Q in addition, submit the result test conducted during the part of a toxicity reduction evaluation by the part of the part of a toxicity reduction evaluating the part of the p	CFR Part 403); or 3) POTWs require must include quarterly testing for a 1 from four tests performed at least and toxicity, and testing for acute and/or or bined sewer overflows in this sect I CFR Part 136 methods. In addition, C requirements for standard methods s of any other whole effluent toxicity ist four and one-half years revealed to thou, if one was conducted, d any of the information requested in previously submitted information. If are available that contain all of the in	d by the permitting authority to submit 2-month period within the past 1 year ually in the four and one-half years pr chronic toxicity, depending on the ran on. All information reported must be to this data must comply with QA/QC re- tiests from the past four and one-half y oxicity, provide any information on the Part E, you need not submit it again, EPA methods were not used, report to formation requested below; they may	data for these parameters. using multiple species (minimum of lor to the application, provided the ge of receiving water dilution. Do passed on data collected through quirements of 40 CFR Part 136 R Part 138. R Part 138. R Part 138. Rather, provide the information he reasons for using atternate be submitted in place of Part E.
E 1. Required Tests	and suppose about		- op-address of the state of th
Indicate the number of whole efflue	ent toxicity tests conducted in the pas	t four and one-half years.	
chronicacut	e		
£ 2 Individual Test Data. Complete the column per test (where each species		ent toxicity test conducted in the last f if more than three tests are being rep	
	Test number:		Test number:
a. Test information.			
Test species & test method number	CERIODADHNIA DUBIA	PIMEDHALAS PROMECAS	
Age at initiation of test	424 HR	7-8 3445	
Outfall number	OOIT	0017	
Dates sample collected	10/22/12 - 10/23/12		
Date test started	10/24/12 - 10/26/12	10/24/12 - 10/26/12	
Duration	48 HRS	45 HZS	
b. Give toxicity test methods follow			
Manual title	48 H/L CERUDDE PHINA TEX TEXT EPH METHO # 2002.0	48 HR FATHERD MINNEY TOX TEST EDA METHODE ZOCO.C	
Edition number and year of publication			
Page number(s)			
c. Give the sample collection meth	od(s) used For multiple grab sample	s, indicate the number of grab sample	s used.
24-Hour composite	· ·	The state of the s	The special state of the state
Grab			
d. Indicate where the sample was t	aken in relation to disinfection. (Chec	k all that apply for each)	And the second s
Before disinfection	N/A	N/A	
After disinfection			

After dechlorination

FACILITY NAME AND PERMIT NUMBI Greensboro Lagoon AL0057193	ER:			Form Approved 1/14/99 OMB Number 2040-0086
	Test number:/		Test number: 1A	Test number:
e. Describe the point in the treatme	ent process at which the sample was	colle	cted.	
Sample was collected:	EFFLUENT DISCHARGE	61	FLUENT DISCHARGE	
f. For each test, Include whether th	ne test was intended to assess chron-	ic toxi	city, acute toxicity, or both.	And the second s
Chronic toxicity				
Acute toxicity	Barbara		~	
g. Provide the type of test performe	ed.		AA	
Static	48 HR ACUTE SCREENING	48	HR ACUTE SCERENING	
Static-renewal				
Flow-through				
h. Source of dilution water. If labor	atory water, specify type; if receiving	water	r, specify source.	Activity (All Activity and Activity and Activity (All Acti
Laboratory water	MHRW		MHRW	
Receiving water				
i. Type of dilution water. It salt water	er, specify "natural" or type of artificia	i sea	safts or brine used.	
Fresh water				
Salt water				
	I for all concentrations in the test seri	es.		
	7%		7%	
Parameters measured during the	test. (State whether parameter meet	- tost	method enseitings)	
k. Parameters measured during the		S ICO		
	7,47-7.72		7.47 -7.93	
Salinity Temperature	-1.0. 2-00			
Ammonia	24.6°C - 25.8°C	4	46°C-25.4°C	
Dissolved oxygen	8.0-8.4		70 01	
1. Test Results.	0.0-0.4		7.9-8.6	
Acute:				
Percent survival in 100% effluent	%		%	%
LC ₅₀				
95% C.I.	%		%	%
Control percent survival	%		%	%
Other (describe)				

FACILITY NAME AND PERMIT NUMBE Greensboro Lagoon AL0057193	R:		Form Approved 1/14/99 OMB Number 2040-0086				
Chropic:	And the second control of the second control						
NOEC	%	%	%				
IC ₂₅	%	%	%				
Control percent survival	%	%	. %				
Other (describe)							
m. Quality Control/Quality Assuran	Ce.						
Is reference toxicant data available?							
Was reference toxicant test within acceptable bounds?							
What date was reference toxicant test run (MM/DD/YYYY)?							
Other (describe)							
E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? Yes No If yes, describe: E.4. Summary of Submitted Biomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. Date submitted: (MM/DD/YYYY)							
Summary of results: (see instruction	ns)						
REFER TO THE APPLICAT	END OF PA		R PARTS OF FORM				

2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMB	BER:			Form Approved 1/14/99
Greensboro Lagoon AL0057193				OMB Number 2040-0086
SUPPLEMENTAL APPLIC	CATION INFORMATION	N		
PART E. TOXICITY TESTING	DATA			
two species), or the results for results show no appreciable in not include information on continuous analysis conducted using 40 and other appropriate QA/QC. In addition, submit the results test conducted during the past of a toxicity reduction evaluated if you have already submitted requested in question E.4 for	Vs with a design flow rate greater tha CFR Part 403); or 3) POTWs require must include quarterly testing for a 1 from four tests performed at least and toxicity, and testing for acute and/or probled sewer overflows in this sectile. CFR Part 136 methods. In addition, C requirements for standard methods so of any other whole effluent toxicity is st four and one-half years revealed to the total of the information requested in the previously submitted information. If are available that contain all of the in-	an or equed by the 12-month nually in chronic tion. All in this dat s for ana tests from toxicity, pure part E, f EPA month formation	ual to 1.0 mgd; 2) POTWs with permitting authority to submit in period within the past 1 year the four and one-half years periodicity, depending on the rar information reported must be ta must comply with QA/QC relytes not addressed by 40 CF methods were not more half years four and one-half years for the second on the years for used, report in requested below, they may	th a pretreatment program (or those to data for these parameters. It using multiple species (minimum or nior to the application, provided the tige of receiving water dilution. Do based on data collected through equirements of 40 CFR Part 136 FR Part 136. FR Part 136 the toxicity or any results. If a whole effluent toxicity is cause of the toxicity or any results. Rather, provide the information the reasons for using afternate be submitted in place of Part E.
E.1. Required Tests.				
Indicate the number of whole efflue	nt toxicity tests conducted in the pas	st four an	nd one-half years.	
chronicacute	-		,	
E.2. Individual Test Data, Complete the	e following chart for each whole afflues constitutes a test). Copy this page	ent toxic	city test conducted in the last	four and one-half years. Allow one
Committee mar factors care about	Test number:		number: <u>IA</u>	Test number:
a. Test information.				
Test species & test method number	CERIODADHNIA DUBIA	Pin	MEDHALAS POWAGLAS	
Age at initiation of test	2 24 HR	_	2-3 DAYS	
Outfall number	OOIT		001T	
Dates sample collected	10/09/11-10/10/11	10/	09/11 - 10/10/11	
Date test started	10/12/11-10/14/11	i	12/11-10/14/11	
Duration	48 Hos		46 4123	
b. Give toxicity test methods follows				
Manual title	48 HA CERIODE PHINATER TEST EPH METER # 2002.0		REPHEAD MINNOS TOX EAN METHOD! Zoco.c	
Edition number and year of publication				
Page number(s)			entre de la companya	
c. Give the sample collection metho	od(s) used. For multiple grab sample	es, indica	ite the number of grab sample	es used.
24-Hour composite	1 marin		Same of the same o	
Grab			,	
d. Indicate where the sample was ta	sken in relation to disinfection. (Check	k all that	apply for each)	Annual Marian Control of the Control
Before disinfection	N/A		N/A	
After disinfection				
After dechlorination				

FACILITY NAME AND PERMIT NUMBE Greensboro Lagoon AL0057193	ER:		Form Approved 1/14/99 OMB Number 2040-0086
	Test number:	Test number: 1A	Test number:
e. Describe the point in the treatme	ent process at which the sample was	; coi lect ed.	and the same and the same of the same and th
Sample was collected:	EFFLUENT DISCHARGE	EFFLUENT DISCHNILLE	
f. For each test, include whether th	e test was intended to assess chroni		weakers recognized to the state of the state
Chronic toxicity			
Acute toxicity	2 January 1981	W	AND A LOS MY IN A SAFE A CONTROL OF THE CONTROL OF
g. Provide the type of test performs	d.		an aga ag
Static	48 HR ACUTE SCREENING	48 HR ACUTE SCREENING	
Static-renewal			The second of th
Flow-through			
h. Source of dilution water. If labora	atory water, specify type; if receiving	water, specify source.	
Laboratory water	MHRW	MHRW	and to thirt it is a second of the second of
Receiving water			
l. Type of dilution water. It salt water	r, specify "natural" or type of artificia	I sea salts or brine used.	ann an an Aireann an A
Fresh water	and the state of t		- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19
Salt water			
j. Give the percentage effluent used	for all concentrations in the test serie	es.	· · · · · · · · · · · · · · · · · · ·
	1%	1%	
k. Parameters measured during the	lest. (State whether parameter meet	s test method specifications)	
рН	7.26 - 7.61	7.47 - 7.62	
Salinity			
Temperature	240°C - 24.2°C	24.2°C-24.7°C	
Ammonia			The state of the s
Dissolved oxygen	8.1-8.6	8.2-8.6	
I. Test Results.			
Acute:			
Percent survival in 100% effluent	%	%	%
LC∞			
95% C.i.	%	%	%
Control percent survival	100 %	100 %	%
Other (describe) 190	95%	100%	Y VIALENTIAL CONTRACTOR OF THE

FACILITY NAME AND PERMIT NUMBER: Greensboro Lagoon AL0057193			Form Approved 1/14/99 OMB Number 2040-0086
Chronic:	ran causan men et e <mark>n publica men men e</mark> ran de manere en personale en	there were a se [®] filter of the community and the contract of the films of the community of the contract of t	
NOEC	5%	%	%
IC ₂₅	%	%	%
Control percent survival	%	%	%
Other (describe)		300 May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
m. Quality Control/Quality Assuran	ce.		
Is reference toxicant data available?			
Was reference toxicant test within acceptable bounds?			
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			
E.4. Summary of Submitted Blomonitor	describe:		on, or information regarding the epermitting authority and a
Date submitted:(MM/DD/YYYY) Summary of results: (see instructions)			
REFER TO THE APPLICAT	END OF PA ION OVERVIEW TO DE 2A YOU MUST C	TERMINE WHICH OTHE	ER PARTS OF FORM

EPA Form 3510-2A (Rev. 1-99). Replaces EPA forms 7550-6 & 7550-22.

FACILITY NAME AND PERMIT NUMBER:			Form Approved 1/14/99 OMB Number 2040-0086		
Greensboro Lagoon AL0057193			ORD Namber 2010 0000		
SUPPLEMENTAL APPLI	SUPPLEMENTAL APPLICATION INFORMATION				
PART E. TOXICITY TESTING	DATA				
POTWs meeting one or more of the foll the facility's discharge points: 1) POTW that are required to have one under 40 and are required to have one under 40 and other appreciable not include information on constructed using 40 and other appropriate QA/QC In addition, submit the results test conducted during the part of a toxicity reduction evaluation in question E.4 for requested in question E.4 for	owing criteria must provide the result is with a design flow rate greater that CFR Part 403); or 3) POTWs require must include quarterly testing for a 1 rom four tests performed at least and toxicity, and testing for acute and/or mibined sewer overflows in this section. CFR Part 136 methods. In addition, C requirements for standard methods of any other whole effluent toxicity ist four and one-half years revealed to the information requested in previously submitted information. If are available that contain all of the in	n or equal to 1.0 mgd; 2) POTWs with by the permitting authority to submit 2-menth period within the past 1 year unally in the four and one-half years per chronic toxicity, depending on the rarion. All information reported must be this data must comptly with QA/QC in for analytes not addressed by 40 CF tests from the past four and one-half poxicity, provide any information on the Part E, you need not submit it again. EPA methods were not used, report formation requested below, they may	th a pretreatment program (or those to data for these parameters rusing multiple species (minimum or nor to the application, provided the tige of receiving water dilution. Do based on data collected through squirements of 40 CFR Part 136 FR Part		
E.1. Required Tests.					
Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years. chronic					
	Test number:	Test number: 1A.	Test number:		
a. Test information					
Test species & test method number	CERIODADHNIA DUBIA	PIMEDHALAS PROMELAS			
Age at initiation of test	22+ HR	2-3 AMS			
Outfall number	OOIT	COIT			
Dates sample collected	10/4/10-10/5/10	10/4/10-10/5/10			
Date lest started	10/6/10-10/8/10	10/6/10-10/8/10			
Ouration	47. HAS	46.5 HAS			
b. Give toxicity test methods follows					
Manual title	48 HA CERIODEPHNIATEN	48 HR FATHERS MINNICLY DX TEST EPA METHOS# ZOCO.C			
Edition number and year of publication					
Page number(s)					
c. Give the sample collection metho	d(s) used. For multiple grab sample	s, Indicate the number of grab sample	s used.		
4-Hour composite	·	Spenner	The second secon		
Grab		4	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE		
d. Indicate where the sample was ta	iken in relation to disinfection. (Chec	k all that apply for each)			
lefore disinfection	N/A	N/A	4.		
fter disinfection	//				

After dechlorination

FACILITY NAME AND PERMIT NUMBER	R:		Form Approved 1/14/99 OMB Number 2040-0086
Greensboro Lagoon AL0057193			Ond Harman
	Test number:	Test number: 1A	Test number:
e. Describe the point in the treatme	ont process at which the sample was	collected.	
Sample was collected:	EFFLUENT DISCHARGE	EFFLUENT DISCHARGE	
f. For each test, include whether th	e test was intended to assess chroni	c toxicity, acute toxicity, or both	
Chronic toxicity			
Acute toxicity	Berker		
g Provide the type of test performe	d.		
Static	48 HZ ACUTE SCREENING	AB HR ACUTE SCRENING	
Static-renewal		·	
Flow-through			
h, Source of dilution water. If labora	atory water, specify type; if receiving	water, specify source.	
Laboratory water	MHRW	MHRW	
Receiving water			
i. Type of dilution water. It salt water	er, specify "natural" or type of artificia	I sea salts or brine used.	
Fresh water			
Salt water			
j. Give the percentage effluent used	for all concentrations in the test serio	es.	
	140	1%	
k. Parameters measured during the	test. (State whether parameter meet	s test method specifications)	
рН	7.45 - 7.67	7.43 - 7.67	
Salinity			
Temperature	24.0°C-25.8°C	240°C-25.8°C	
Ammonia			and the state of t
Dissolved oxygen	8.0 8.4	7.9 8.4	
I, Test Results.	the control of the co		
Acute:	- Control of the Cont	and the property of the contract of the contra	
Percent survival in 100% effluent	%	%	%
LC ₅₀			
95% C.I.	%	%	%
Control percent survival	100 %	100 %	%
Other (describe) 1%	100%	100%	

FACILITY NAME AND PERMIT Greensboro Lagoon AL0057	OMB Number 2040-0086		
Chronic:			And the state of t
NOEC	%	%	9,
IC ₂₅	%	%	34
Control percent surviv	rai %	%	3/4
Other (describe)			
m. Quality Control/Qualit	y Assurance.		
Is reference toxicant data availa	ble?		
Was reference toxicant test with acceptable bounds?	in		
What date was reference toxica run (MM/DD/YYYY)?	nt test		
Other (describe)			
Yes No	If yes, describe: If yes, describe:	submitted blomonitoring test informati	on, or information regarding the a permitting authority and a
Date submitted:(MM/DD/YYYY) Summary of results: (see instructions)			
	END OF PA		

2A YOU MUST COMPLETE.

FACILITY NAME AND PERMIT NUMBER:			Form Approved 1/14/99 OMS Number 2040-0086	
Greensboro Lagoon AL0057193			ONIS NUTUBER 2040-0056	
SUPPLEMENTAL APPLI	CATION INFORMATION	N		
			-	
PART E. TOXICITY TESTING			· · · · · · · · · · · · · · · · · · ·	
two species), or the results in results show no appreciable not include information on caralysis conducted using 44 and other appropriate QA/Q in addition, submit the result test conducted during the part of a toxicity reduction evaluated in question E.4 for equested in question E.4 for a conducted submitter of the c	Ns with a design flow rate greater the CFR Part 403); or 3) POTWs require must include quarterly testing for a from four tests performed at least an toxicity, and testing for acute and/or or movined sewer overflows in this sect 0 CFR Part 136 methods. In addition C requirements for standard method is of any other whole effluent toxicity list four and one-half years revealed to tition, if one was conducted. d any of the Information requested in previously submitted information. It are available that contain all of the in	an or equal to 1.0 mgd; 2) POTAVs with an or equal to 1.0 mgd; 2) POTAVs with an or equal to 1.0 mgd; 2) POTAVs with an or equal to the four and one-half years per chronic toxicity, depending on the rarelion. All information reported must be to this data must comply with QAQC or so for analytes not addressed by 40 CF tests from the past four and one-half toxicity, provide any information on the part E, you need not submit it again, or EPA methods were not used, report formation requested below, they may	th a pretreatment program (or those it data for these parameters, rusing multiple species (minimum or rior to the application, provided the tige of receiving water dilution. Do based on data collected through equirements of 40 CFR Part 136 FR Part 136. The Part 136 FR P	
E.1. Required Tests.				
Indicate the number of whole efflue	ent toxicity tests conducted in the pas	st four and one-half years.		
chronicacut		,		
E.2. Individual Test Data. Complete the column per test (where each species)	ne following chart <u>for each whole effic</u>	uent toxicity test conducted in the last a if more than three tests are being re	four and one-half years. Allow one	
- Constant for took (Miloto Clar Lipos.	Test number:		Test number:	
a. Test information.	-			
Test species & test method number	CERIODADHNIA DUBIA	PIMEPHALAS PROMELAS		
Age at initiation of test	4 24 HR	2-3 MYS		
Outfall number	DOIT	001T		
Dates sample collected	10/20/09	10/20/09		
Date test started	10/21/09-10/23/09	10/21/01-10/23/07		
Duration	10/21/09 - 10/23/09 46 HAS	47 Has		
b. Give toxicity test methods follow				
Manual title	48 HR CERUDE PHAINTON TEST ETA METED # ZOC'LIC	AB HR FATHERD MINNOW DX TEST EPA METHODE ZOOU.C		
Edition number and year of publication		The state of the s		
Page number(s)				
c. Give the sample collection method	od(s) used. For multiple grab sample	es, indicate the number of grab sample	s used.	
24-Hour composite	Suppose	s	AND THE RESERVE OF A CONTROL OF THE PERSON O	
Grab				
d. Indicate where the sample was t	aken in relation to disinfection. (Chec	k all that apply for each)		
Before disinfection	N/A	N/A		
After disinfection		7.		

After dechlorination

FACILITY NAME AND PERMIT NUMBE Greensboro Lagoon AL0057193	ER:		Form Approved 1/14/99 OMB Number 2040-0086
	Test number.	Test number: 1A	Test number:
e. Describe the point in the treatme	ent process at which the sample was	collected.	SOCIAL CONTRACTOR CONT
Sample was collected:	EFFLUENT DISCHARGE	EFFLUENT DISCHARGE	
f. For each test, include whether th	e test was intended to assess chroni	ic texicity, acute texicity, or both.	
Chronic toxicity	The second secon		
Acute toxicity	3 mention	~	
g. Provide the type of test performe	d.		
Static	48 HR AWIE SCREENING	48 HR ACUTE SCREENING	
Static-renewal			
Flow-through			
h. Source of dilution water. If labora	atory water, specify type; if receiving	water, specify source.	
Laboratory water	MHRW	MHRW	
Receiving water			
i. Type of dilution water. It salt water	er, specify "natural" or type of artificia	sea salts or brine used.	
Fresh water			
Salt water			
j. Give the percentage effluent used	for all concentrations in the test seri	es.	
	1%	1%	
k. Parameters measured during the	test. (State whether parameter meet	s test method specifications)	
рН	7.40 - 7.75	7.36 - 7.75	
Salinity			
Temperature	25.0°C - 25.5°C	25.0°C -25.5°C	
Ammonia			
Dissolved oxygen	7.6-9.4	7.1 - 9.4	
I. Test Results.			
Acute:			
Percent survival in 100% efficent	%	%	%
LC ₅₀			
95% C.I.	%	%	%
Control percent survival	100 %	950 %	%
Other (describe) 1%	100	100	

FACILITY NAME AND PERMIT NUMBE Greensboro Lagoon AL0057193	R:		Form Approved 1/14/99 OMB Number 2040-0086	
Chronic:				
NOEC	%	%	%	
iC ₂₅	%	%	×	
Control percent survival	%	%	%	
Other (describe)				
m. Quality Control/Quality Assuran	ce.			
is reference toxicant data available?				
Was reference toxicant test within acceptable bounds?				
What date was reference toxicant test run (MM/DD/YYYY)?				
Other (describe)				
Yes No If yes, describe: Yes No If yes, describe: E.4. Summary of Submitted Blomonitoring Test Information. If you have submitted biomonitoring test information, or information regarding the cause of toxicity, within the past four and one-half years, provide the dates the information was submitted to the permitting authority and a summary of the results. Date submitted: (MM/DD/YYYY)				
Summary of results: (see instructions)				
REFER TO THE APPLICAT	END OF PA ION OVERVIEW TO DE 2A YOU MUST O	TERMINE WHICH OTHE	ER PARTS OF FORM	

EPA Form 3510-2A (Rev. 1-99). Replaces EPA forms 7550-6 & 7550-22.

FAC	CILITY NAME AND PER	RMIT NUMBER:	Form Approved 1/14/99 OMB Number 2040-0086
Gree	ensboro Lagoon AL00	957193 	ONID Number 2040-0000
SU	PPLEMENTAL	APPLICATION INFORMATION	
All t		IAL USER DISCHARGES AND RCRA/CER	RCLA WASTES which receive RCRA, CERCLA, or other remedial wastes mus
GE	NERAL INFORMA	TION:	
	Ve sNo	m. Does the treatment works have, or is it subject to, a	
F.2.		nt Industrial Users (SIUs) and Categorical Industria t discharge to the treatment works.	I Users (CIUs). Provide the number of each of the following types .
	a. Number of non-ca	ategorical SIUs.	
	b. Number of CIUs.		
SIG	NIFICANT INDUS	TRIAL USER INFORMATION:	
		mation for each SIU. If more than one SIU discharg	es to the treatment works, copy questions F.3 through F.8
F.3.	Significant Industrial pages as necessary.	User Information. Provide the name and address of	each SIU discharging to the treatment works. Submit additional
	Name:	Heartland Alabama DBA Heartland Catfish	
	Mailing Address:	P.O. Box 490 Greensboro, AL 36744	
F.4.	Industrial Processes Cleaning of Catfish	Describe all of the industrial processes that affect or	contribute to the SIU's discharge.
F.5.	Principal Product(s) discharge.	and Raw Material(s). Describe all of the principal pro	cesses and raw materials that affect or contribute to the SIU's
	Principal product(s):	Catfish processing PACKAGING ONLY	
	Raw material(s):	live catfish	
F.6.	Flow Rate.		
		er flow rate. Indicate the average daily volume of proc whether the discharge is continuous or intermittent.	ess wastewater discharged into the collection system in gallons
		ppd (continuous orintermittent)	
		ewater flow rate. Indicate the average daily volume of per day (gpd) and whether the discharge is continuous	. 4
	3 <u>3,333</u>	ppd (continuous orintermittent)	(±1,000,000 MG/MU)
F.7.	Pretreatment Standar	rds. Indicate whether the SIU is subject to the followin	g:
	a. Local limits	Yes X_No	

_**X**_No

If subject to categorical pretreatment standards, which category and subcategory?

b. Categorical pretreatment standards ____Yes

FAC	ILITY NAME AND PERMIT NUMBER:	Form Approved 1/14/99 OMB Number 2040-0086
Gree	nsboro Lagoon AL0057193	Givis Number 2040-0000
F.8.	Problems at the Treatment Works Attributed to Waste Discharged by upsets, interference) at the treatment works in the past three years?	the SIU. Has the SIU caused or contributed to any problems (e.g.,
	YesNo If yes, describe each episode.	
RCR	RA HAZARDOUS WASTE RECEIVED BY TRUCK, RAIL, OR DEL	DICATED PIPELINE:
F.9.	RCRA Waste. Does the treatment works receive or has it in the past three pipe?YesNo (go to F.12.)	e years received RCRA hazardous waste by truck, rail, or dedicated
F.10.	. Waste Transport. Method by which RCRA waste is received (check all t	hat apply):
	Truck Rail Dedicated Pipe	
F.11.	. Waste Description. Give EPA hazardous waste number and amount (vo	
	EPA Hazardous Waste Number Amount	<u>Units</u>
		
		
	RCLA (SUPERFUND) WASTEWATER, RCRA REMEDIATION/CO	
	ION WASTEWATER, AND OTHER REMEDIAL ACTIVITY WAST	
F.12.	Remediation Waste. Does the treatment works currently (or has it been Yes (complete F.13 through F.15.) X No	notified that it will) receive waste from remedial activities?
		· · · · · · · · · · · · · · · · · · ·
	Provide a list of sites and the requested information (F.13 - F.15.) for each	n current and tuture site.
F.13.	. Waste Origin. Describe the site and type of facility at which the CERCLA	VRCRA/or other remedial waste originates (or is expected to originate
	in the next five years).	
F.14.	Pollutants. List the hazardous constituents that are received (or are exp	ected to be received). Include data on volume and concentration, if
	known. (Attach additional sheets if necessary).	
		
F.15.	Waste Treatment.	
	Is this waste treated (or will it be treated) prior to entering the treatment	nt works?
	YesNo	
	If yes, describe the treatment (provide information about the removal	efficiency):
	· · · · · · · · · · · · · · · · · · ·	
	b. Is the discharge (or will the discharge be) continuous or intermittent?	
	ContinuousIntermittent If intermittent,	describe discharge schedule.
	END OF PA	RT F.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

EPA Form 3510-2A (Rev. 1-99). Replaces EPA forms 7550-6 & 7550-22.

FACILITY NAME AND PERMIT NUMBER: Form Approved 1/14/99 OMB Number 2040-0086 Greensboro Lagoon AL0057193 SUPPLEMENTAL APPLICATION INFORMATION PART G. COMBINED SEWER SYSTEMS If the treatment works has a combined sewer system, complete Part G. G.1. System Map. Provide a map indicating the following: (may be included with Basic Application Information) a. All CSO discharge points. b. Sensitive use areas potentially affected by CSOs (e.g., beaches, drinking water supplies, shellfish beds, sensitive aquatic ecosystems, and outstanding natural resource waters). c. Waters that support threatened and endangered species potentially affected by CSOs. G.2. System Diagram. Provide a diagram, either in the map provided in G.1. or on a separate drawing, of the combined sewer collection system that includes the following information: a. Locations of major sewer trunk lines, both combined and separate sanitary. b. Locations of points where separate sanitary sewers feed into the combined sewer system. c. Locations of in-line and off-line storage structures. d. Locations of flow-regulating devices. e. Locations of pump stations. **CSO OUTFALLS:** Complete questions G.3 through G.6 once for each CSO discharge point. G.3. Description of Outfall. a. Outfall number b. Location (City or town, if applicable) (Zip Code) (County) (State) (Latitude) (Longitude) c. Distance from shore (if applicable) ft. d. Depth below surface (if applicable) e. Which of the following were monitored during the last year for this CSO? Rainfall CSO pollutant concentrations _CSO frequency CSO flow volume Receiving water quality f. How many storm events were monitored during the last year?

G.4. CSO Events.

a. Give the number of CSO events in the last year.

_____ events (___ actual or ___ approx.)

b. Give the average duration per CSO event.

hours (actual or approx.)

FACILITY NAME AND PERMIT NUMBER: Greensboro Lagoon AL0057193	Form Approved 1/14/99 OMB Number 2040-0086
c. Give the average volume per CSO event.	<u> </u>
million gallons (actual or approx.)	
d. Give the minimum rainfall that caused a CSO event in the last year.	•
inches of rainfall	
G.5. Description of Receiving Waters.	
a. Name of receiving water:	
b. Name of watershed/river/stream system:	
United States Soil Conservation Service 14-digit watershed code (if known	own):
c. Name of State Management/River Basin:	
United States Geological Survey 8-digit hydrologic cataloging unit code	(if known):
G.6. CSO Operations.	
Describe any known water quality impacts on the receiving water caused by permanent or intermittent shell fish bed closings, fish kills, fish advisories, of quality standard).	
END OF PAR	PTG .

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE.

Additional information, if provided, will appear on the following pages.			
	-		
	•		
NPDES FORM 2A Additional Information			

SUPPLEMENTARY INFORMATION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT APPLICATION FORM 188- Municipal, Semi-Public & Private Facilities

ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT WATER DIVISION – MUNICIPAL PERMIT SECTION POST OFFICE BOX 301463 MONTGOMERY, ALABAMA 36130-1463

INSTRUCTIONS: APPLICATIONS SHOULD BE TYPED OR PRINTED IN INK AND SUBMITTED TO THE DEPARTMENT. PLEASE CONTINUE ON AN ATTACHED SHEET OF PAPER IF INSUFFICIENT SPACE IS AVAILABLE TO ADDRESS ANY ITEM BELOW. PLEASE MARK N/A IN THE APPROPRIATE BOX WHEN AN ITEM IS NON-APPLICABLE TO THE APPLICANT. PURPOSE OF THIS APPLICATION INITIAL PERMIT APPLICATION FOR EXISTING FACILITY INITIAL PERMIT APPLICATION FOR NEW FACILITY REISSUANCE OF EXISTING PERMIT MODIFICATION OF EXISTING PERMIT REVOCATION & REISSUANCE OF EXISTING PERMIT SECTION A - GENERAL INFORMATION 1. Facility Name: Greensboro Lagoon a. Operator Name: Lee Singletary Yes b. Is the operator identified in 1.a, the owner of the facility? If no, provide name and address of the operator and submit information indicating the operator's scope of responsibility for the facility. Lee Singletary, 1101 Main St., Greensboro, AL / Wastewater Greade II Operator c. Name of Permitee* if different than Operator: Utilities Board of the City of Greensboro *Permittee will be responsible for compliance with the conditions of the permit NPDES Permit Number AL 0057193 (Not applicable if initial permit application) 3. Facility Location: (Attach a map with location marked; street, route no. or other specific identifier) Street: 649 County Road 19 ___ State: AL City: Greensboro County: Hale Facility (Front Gate) Location: Latitude (Deg Min Sec): 32°43' 22.5" N Longitude (Deg. Min Sec): 87°35°47.8 4. Facility Mailing Address (Street or Post Office Box): Post Office Box 546 City: Greensboro County: Hale State: AL 5. Responsible Official (as described on page 7 of this application): Name and Title: Mr. John Jay, Jr. Superintendent

Address: 1101 Main St.

Phone Number: 334-624-8448

Email Address: (Optional):

City: Greensboro

fwilliams0624@bellsouth.net

State: AL

IND / MUN BRANCH

Zip: 36744

6. Designated Facility/DMR Contact:						
	Name and Title:	Mr. John Jay, Utilities Sup	perintendent			
	Phone Number:	334-624-8448				
	DMR Email Addr	ess (Optional – for receip	ot of blank DMR	Forms): fwilliams0624@	bellsouth.net	
		is section if the Applica	ant's business e	entity is a Proprietors	hip or limited liability Corp	oration with a
	a) Proprietor:					
	N.					
					Zip:	
	Oity		State.		Zip	
8.		for Applicant's previou held by the Applicant			ntification of any other Sta	ate Environmental
	Permit I	<u>Name</u>	<u>P</u>	ermit Number	Held b	Y
	Greensboro Lagoon		<u>A</u>	L0057193	Utilities Board of the Ci	ty of Greensboro
-			_		.	
-	<u> </u>		_			
Li	tigation concerning	water pollution or othe ttach additional sheets <u>Permit N</u>	er permit violati if necessary): <u>Number</u>		dministrative Orders, Corne Applicant within the Standard . Date of Action	ate of Alabama in
						-
		_			_	-
						-
						-
SI	ECTION B – WAST	EWATER DISCHARG	E INFORMATI	ON		
1.	List the following	historical monthly flow	rates recorded	for the past five yea	rs for each outfall:	
	Outfall Nu	ımber Highest in La MGD		Highest Daily Flow MGD	Average Flo MGD	w
	001-2	2.0	<u> </u>	4.52	0.797	<u> </u>
					_	

2.	Report E-coli (Freshwater) or Enterococo	(Coastal Waters) monitoring results for the past	tive years for each outfall it available:

Outfall Number	Ecoll or Enteracocci	Maximum Daily E-coli / Enterococct Discharge (per 100 ml)	Maximum Monthly Average E-Coli / Enterococci Discriarge (per 100 mi)	No. of Analyses	Analytical Method	ML/MDI.
1001-2	E COLI	98	53	18	SM 92220	2000
					-	 _

- 3. Attached a process flow schematic of the treatment process, including the size of each unit operation.
- Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at

•	this facility?	, or plan to note, datomone o	amping oquipmon	01 001/01/0000	Prediction flow flow	ong oqopman u:	
	Current	Flow Metering Sampling Equipment	Yes 7	No E	N/A		
	Planned:	Flow Metering Sampling Equipment	Yes T	No ☑ No ☑	N/A [] N/A	·	
	equipment ar	atrach a schematic diagram on describe the equipment be significant is located at the intake pump	low:	-	•	ation of this	
5.	Are any wastewater collection or treatment modifications or expansions planned during the next three years that could alter wastewater volumes or characteristics (Note: Permit Modification may be required)? Yes No. 77						
		be these changes and any po onal sheets if needed.)	tential or anticipate	d effects on the	e wastewater quality :	and quantity:	
	The second state of the se	The first transfer and the second seco	ngarangangangan ang sakangangan saka san sakangangangan saka sakangangangan sakangangan sakangan sakangan saka				
SE	CTION C - W	ASTE STORAGE AND DISPO	OSAL INFORMATI	ON			

SE

Describe the location of all sites used for the storage of solids or liquids that have any potential for accidental discharge to a water of the state, either directly or indirectly via storm sewer, municipal sewer, municipal wastewater treatment plants, or other collection or distribution systems that are located at or operated by the subject existing or proposed NPDESpermitted facility. Indicate the location of any potential release areas and provide a map or detailed namative description of the areas of concern as an attachment to this application:

and the second s		METERS NO THE TEXT NAMES IN A NAMES OF THE TEXT OF THE	
of the first transfer and transfer and the first transfer and transfer		t was a new state of the control of	
Describe the location of any sites used for the sludges) generated by any wastewater treatment s			. g
Description of Waste	Quantity (lbs/day)	Disposal Method*	
To contribute the second displaces and the second s	the second contract the second second	THE RESERVE THE STREET STREET STREET STREET STREET STREET STREET STREET STREET	-

"Indicate any wastes disposed at an off-site treatment facility and any wastes that are disposed on-site

Description of Waste

Description of Storage Location

 List the existing and proposed industrial source wastewater contributions to the municipal wastewater treatment system (Attach other sheets if necessary)

Company Name	Description of Industrial Wastawaler	Existing or Proposed	Flow (MGD)	Subject to SiD Permit? Y/N
Heartrand Callish	300, Orl. Grease	EXISTING	0.033	Υ
			1	

2. Are industrial wastewater contributions regulated via a locally approved sewer use ordinance (XXX)? If so, please attach a copy of the ordinance.

SECTION	1872400-3	ZONE INFORMATION

	Is the discharge(s) located within the 10-foot elevation contour and within the timits of Mobile or Baldwin County? Yes [F] No [F] If yes, then complete items A through M below:				
Å.	Does the project require new construction?	YES	NO.		
В.	Will the project be a source of new air emissions?		二		
C.	Does the project involve dredging and/or filling of a wet/and area or water way?	<u>1</u>			
	Has the Corps of Engineers (COE) permit been issued?				
	Corps Project Number				
D.	Does the project involve wetlands and/or submersed grassbeds?				
Ε.	Are oyster reefs located near the project site? (Include a map showing project and discharge location with respect to oyster reefs)	-			
F. [Does the project involve the site development, construction and operation of an energy facility defined in ADEM Admin. Code R. 335-8-102(bb)?	ty as			
G.	Does the project involve mitigation of shoreline or coastal area erosion?		<u> </u>		
H.	Does the project involve construction on beaches or dunes areas?				
l.	Will the project interfere with public access to coastal waters?				
J.	Does the project lie within the 100-year floodplain?	£			
ĸ	Does the project involve the registration, sale, use, or application of pesticides?	[<u> </u>		
L	Does the project propose or require construction of a new well or to alter an existing ground	water wel	l to pump		

been obtained?

more than 50 gallons per day (GPD)?

M. Has the applicable permit for groundwater recovery or for groundwater well installation

SECTION F - ANTI-DEGRADATION EVALUATION

It is the applicant's responsibility to demonstrate the social and economic importance of the proposed activity, if subject to antidegradation requirements. In accordance with 40 CFR 131.12 and Section 335-6-10-.04 of the Alabama Department of Environmental Management Administrative Code, the following information must be provided, if applicable. If further information is required to make this demonstration, attach additional sheets to the application.

1. Is this a new or increased discharge that began after April 3, 1991?	Yes [No [√].
If "ves", complete question 2 below. If "no", do not complete this section.		

If "no" and the discharge is to a Tier II waterbody as defined in ADEM Admin. Code r. 335-6-10-.12(4), complete questions A through F below and also ADEM forms 311 and 312 or 313, whichever is applicable, (attached). Form 312 or 313, whichever is applicable, must be provided for each treatment discharge alternative considered technically viable. If "yes", do not complete this section.

Information required for new or increased discharges to high quality waters:

- A. What environmental or public health problem will the discharger be correcting?
- B. Explain if and to what degree the discharger will be increasing employment as a result of the proposed discharge, either at its existing facility or as the result of the start-up of a related new facility or industry.
- C. Explain if and to what degree the discharge will prevent employment reductions?
- D. Describe any additional state or local taxes that the prospective discharger will be paying.
- E. Describe any public service the discharger will be providing to the community.
- F. Describe the economic or social benefit the discharger will be providing to the community.

SECTION G - EPA Application Forms

All Applicants must submit certain EPA permit application forms. More than one application form may be required from a municipal facility depending on the number and types of discharges or outfalls. The EPA application forms are found on the Department's website at http://www.adem.state.al.us/ and are also listed in Attachment 4.

SECTION H- ENGINEERING REPORT/BMP PLAN REQUIREMENTS

Any Engineering Report or Best Management Practice (BMP) Plans required to be submitted to ADEM by the applicant must be in accordance with ADEM 335-6-6-.08(i) & (j).

SECTION I- RECEIVING WATERS

Receiving Water(s)	303(d) Segment? (Y / N)	Included in TMDL?* (Y / N)

^{*}If a TMDL Compliance Schedule is requested the following should be attached as supporting documentation:

⁽¹⁾ Justification for the proposed Compliance Schedule (e.g. time for design and installation of control equipment, etc.); (2) Monitoring results for the pollutant(s) of concern which have not previously been submitted to the Department (sample collection dates, analytical results (mass and concentration), methods utilized, MDL/ML, etc. should be reported as available); (3) Requested interim limitations, if applicable; (4) Date of final compliance with the TMDL limitations; and (5) Any other additional information available to support the requested compliance schedule.

SECTION J - APPLICATION CERTIFICATION

THE INFORMATION CONTAINED IN THIS FORM MUST BE CERTIFIED BY A RESPONSIBLE OFFICIAL AS DEFINED IN ADEM ADMINISTRATIVE RULE 335-6-6-.09 "SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS" (SEE BELOW).

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

"I FURTHER CERTIFY UNDER PENALTY OF LAW THAT THE RESULTS OF ANY ANALYSES REPORTED AS LESS THAN DETECTABLE IN THIS APPLICATION OR IN ATTACHMENTS THERETO WERE PERFORMED USING THE EPA APPROVED TEST METHOD HAVING THE LOWEST DETECTION LIMIT READILY ACHIEVABLE FOR THE SUBSTANCE TESTED."

SIGNATURE OF RESPONSIBLE OFFICIAL:	Charles	DATE SIGNED:	2-25-14
(TYPE OR PRINT)	John Q Jay, Jr.		
NAME OF RESPONSIBLE OFFICIAL:	John C. Jay, Jr.		
OFFICIAL TITLE OF RESPONSIBLE OFFICIA	Superintendent		
MAILING ADDRESS:	P.O. Box 546, Greensboro, AL 36744		
AREA CODE & PHONE NUMBER:	334-624-8448		

SIGNATORY REQUIREMENTS FOR PERMIT APPLICATIONS

Responsible official is defined as follows:

- In the case of a corporation, by a principal executive officer of at least the level of vice president, or a manager assigned or delegated in accordance with corporate procedures, with such delegation submitted in writing if required by the Department, who is responsible for manufacturing, production, or operating facilities and is authorized to make management decisions which govern the operation of the regulated facility
- 2. In the case of a partnership, by a general partner
- 3. In the case of a sole proprietorship, by the proprietor, or
- 4. In the case of a municipal, state, federal, or other public facility, by either a principal executive officer, or a ranking elected official.
- In the case of a private or semi-public facility, the responsible official is either a principal executive officer or the owner of the corporation or other entity.

Attachment 1 to Supplementary Form ADEM Form 311

Alternatives Analysis

Applicant/Project: City of Greensboro

program are subject to the provisions of A to demonstrate " that the proposed di demonstration, the applicant must comple annualized project costs for each technical	ADEM's an scharge is note an evaluation of the school of t	tidegradation polic lecessary for impor ation of the discha alternative (using	te under general permits) covered by the NPD by. Applicants for such discharges to Tier 2 w trant economic or social development." As a prege alternatives listed below, including a calculation ADEM Form 312 for public-sector projects a ect costs that are less than 110% of the total a	aters are required part of this lation of the total and ADEM Form
costs for the Tier 2 discharge proposal are	considered	d viable alternative		
Alternative	Viable	Non-Viable	Comment	
1 Land Application				
2 Pretreatment/Discharge to POTW				
3 Relocation of Discharge				
4 Reuse/Recycle				
5 Process/Treatment Alternatives				_
6 On-site/Sub-surface Disposal				
(other project-specific alternatives considered by the applicant; attach additional sheets if necessary)				-
7				<u>-</u> -
8				_
9				_
Pursuant to ADEM Administrative Code Rule 335-6-304, I certify on behalf of the applicant that I have completed an evalua		Signature:	(Professional Engineer)	Principal designations and the second
of the discharge alternatives identified ab and reached the conclusions indicated.		Date:		4

(Supporting documentation to be attached, referenced, or otherwise handled as appropriate.)

ADEM Form 311 3/02

Attachment 2 to Supplementary Form

Calculation of Total Annualized Project Costs for Public-Sector Projects

A. Capital Costs

	Capital Cost of Project	\$	
	Other One-Time Costs of Project (Please List, if any):		
		\$	
		· <u>\$</u>	
		\$	
	Total Capital Costs (Sum column)	\$	(1)
	Portion of Capital Costs to be Paid for with Grant Monies	\$	(2)
	Capital Costs to be Financed [Calculate: (1) – (2)]	\$	(3)
	Type of Financing (e.g., G.O. bond, revenue bond, bank loan)		
	Interest Rate for Financing (expressed as decimal)		(i)
	Time Period of Financing (in years)		<u>(n)</u>
	Annualization Factor = $\frac{i}{(1+i)^n - 1} + i$		(4)
	Annualized Capital Cost [Calculate: (3) x (4)]		(5)
В.	Operating and Maintenance Costs		
	Annual Costs of Operation and Maintenance (including but not limited to: monitoring, inspection, per repair, administration and replacement.) (Please list below.)	nitting fees, waste disp	oosal charges,
		\$	
		\$	
		. \$	
		<u>\$</u>	
	Total Annual O & M Costs (Sum column)	\$	(6)
C.	Total Annual Cost of Pollution Control Project		
	Total Annual Cost of Pollution Control Project [(5) + (6)]	\$	(7)

Attachment 3 to Supplementary Form ADEM Form 313

Calculation of Total Annualized Project Costs for Private-Sector Projects

Capital Costs to be Financed (Supplied by applicant)

(1)

Interest rate for Financing (Expressed as a decimal)

____(i)_

Time Period of Financing (Assume 10 years*)

10 years (n)

Annualization Factor = $\frac{i}{(1+i)^{10}-1}$ + i

(2)

Annualized Capital Cost [Calculate: (1) x (2)]

\$ (3)

Annual Cost of Operation and Maintenance

(including but not limited to monitoring, inspection, permitting fees, waste disposal charges, repair, administration and replacement)

\$ (4)

Total Annual Cost of Pollution Control Project [(3) + (4)]

\$ (5)

- While actual payback schedules may differ across projects and companies, assume equal annual payments over a 10-year period for consistency in comparing projects.
- For recurring costs that occur less frequently than once a year, pro rate the cost over the relevant number of years (e.g., for pumps replaced once every three years, include one-third of the cost in each year).

ADEM Form 313 3/02

Attachment 4 to Supplementary Form

NPDES PROGRAM PERMIT APPLICATION FORMS ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

TYPE DISCHARGE	ADEM FORMS	EPA FORMS
New or existing once through non- contact cooling water and/or cooling tower blowdown, and/or sanitary wastewater (non-process wastewater only). Note: POTWs and privately owned domestic treatment works should use Form 2A.	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2E
Existing discharges of process wastewater	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2C
New discharges of process wastewater	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2D
New or existing discharges composed entirely of stormwater meeting the EPA definition of stormwater associated with industrial activity	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2F
New or existing discharges composed of stormwater meeting the EPA definition of stormwater associated with industrial activity, and any other non-stormwater discharges.	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2F and, as appropriate, Forms 2E, 2E, 2C, and/or 2D
New or existing Publicly-Owned Treatment Works (POTWs) and Privately-Owned Treatment Works composed of sanitary wastewater	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1 and 2A
New or existing land application of process wastewater. Form 2F is required for stormwater runoff from the land application site, if the site is not completely bermed to prevent runoff.	Supplemental Information Form 187 – (Industrial)	Forms 1, 2F, and 2C or 2D, as appropriate
New or existing land application of sanitary wastewater. Form 2F is required for stormwater runoff from the land application site, if the site is not completely bermed to prevent runoff.	Supplemental Information Form 187 – (Industrial) or Form 188 (Municipal)	Forms 1, 2A, and 2F

Testing requirements: Test procedures for all analyses shall conform to 40 CFR Part 136 or an alternate method specifically approved by the Department. If more than one method of analysis is approved, then the method having the lowest detection level shall be used.

REQUIRED INFORMATION FOR MIXING ZONE MODELING

GENERAL INFORMATION

	GENERAL INFORMATION
1.	Applicant Name: Utilities Board of the City of Greensboro
2.	Permit No.: Greensboro Lagoon
3.	Project Name (if different from applicant):
4.	Contact name and phone number: John Jay, Jr. (334)624-8448
5.	Date submitted:
5.	Facility type (new, existing or upgrade): existing
	AMBIENT CONDITIONS
1.	Receiving waterbody: Black Warrior River
2.	Width of waterbody at discharge point (m): 117.35
3.	Depth of waterbody at discharge point (m): 7
4.	Average depth of waterbody at discharge point (m): 7
DIS	SCHARGE TYPE:
	omerged endpipe or submerged multiport diffuser? Submerged end-pipe
	luent Density (kg/m³):
	te: Fill out box A below for endpipe discharges; box B for diffuser discharges.
NO	ee: Fin out box A below for enupipe discharges, box B for diffuser discharges.
	A. DISCHARGE CONDITIONS FOR SUBMERGED ENDPIPE DISCHARGES
1.	Nearest bank (right or left) to the outfall looking downstream: left
2.	Distance from nearest bank to discharge (m): 16
3.	Endpipe diameter (m): 0.305 4. Contraction ratio (if known):
5.	Height of discharge above stream bottom (m): 2.5
6.	Effluent flow rate (mgd): 2
	B. DISCHARGE CONDITIONS FOR SUBMERGED MULTIPORT DIFFUSERS
NO	OTE:
Dif	fuser length is defined as the distance between the first and last diffuser ports.
1.	Diffuser length (m):
2.	Nearest bank (right or left) to the outfall looking downstream:
3.	Distance from nearest bank to first diffuser port (m):
4.	Total number of ports: 5. Diameter of a single port (m):
6.	Distance between adjacent ports (i.e., port spacing, m):
7.	Height of ports above stream bottom (m):
8.	Port contraction ratio (if known):
9.	Diameter of diffuser manifold (m):
10.	Effluent flow rate (mgd):
	CAPTOLIA PROLUMENTATIVA

SPECIAL REQUIREMENTS

- 1. Please submit a map displaying the outfall location along with the appropriate latitude/longitude coordinates.
- 2. Please submit the appropriate engineering plans that depict the outfall configuration.



2607 Commerce Boulevard Birmingham, AL 35210 205 951-3400 1-800-23WATER FAX 205 951-0808 www.EMCbham.com

April 10th, 2015

Ms. Sandra Lee Alabama Department of Environmental Management (ADEM)

Re: City of Greensboro Utilities

Dear Ms. Lee,

This letter is in regards to the April 2014 permit application samples for the City of Greensboro utilities. While all quality control procedures were followed for the set of samples which contained lab number 20141035 (Cu = 3.94 mg/L), this value seems unusually high in comparison to the copper values for the week previous, April 15th (Cu = 0.19 mg/L) and the following week, April 29th (Cu = 0.08 mg/L). The reason for this atypical result cannot be discerned at this time; but it could be due to anything from sample contamination to many other countless possibilities. So while we are unable to confidently state why this result is what it is, we can state that the number is higher by a factor of at least 20 than other results for that same location around the same time period.

Sincerely,

Seyvon Brown Lab Manager

Enviro Management Co.

Signon brown

EFA ID Number (copy from Item 1 of Form 1)

Form Approved. QMB No. 2040-0086 Approval expires 5-31-92

Please print or type in the unshaded areas only

Outfall Location

FORM NPDES U.S. Environmental Protection Agency Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data cources, gathering and maintaining the data needed, and compileting and covering the colorion of information. Send comminet regarding free burden estanding state courses, gathering and maintaining the data needed, and compileting and covering the colorion of information. Send comminets regarding free burden estands, eye other espect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to; Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20409, or Director, Office of Information and Regulatory Affaira, Office of Management and Budget, Washington, DC 20503.

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Quttall Number (fist)		3. Latitude		C, i.ongilude		9	D. Receivin	g Waler	
20 <i>a</i> S	32	43	30	84	35	49	Colwell Creek		
SE or	33	43	73	87	35	5	Colwell Creek		
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						MANUELLE	The second of th	**************************************	
Improvements				***************************************			-		
traalment aquipn	tent or practices	or any other	anent orde	onial program rs, enforcem	ts which may ant complianc	affect the disch	netule for the construction, upgradi- larges described in this application? sis, at pulations, court orders, and gra-	This Includes, but is ant or loan condition	not limit
1. Identification of Agroomont	Conditions,	number	Affected Outliets source of discharge			-	Complica a. req.		
							3. Brief Description of Project		, , , , , , , , , , , , , , , , , , ,
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33: You may attach extetitional streets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Incidate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.

### III. Site Drainage Map

Attach 4 site may showing topography (or indicating the outline of drainage areas served by the outfalla(s) covered in the application if a topographic map is unavailable). depicting the facility including: each of its intake and discharge electures; the drainage area of each storm water outfall, paved areas and buildings within the drainage arise of each storm water cultail, each known past or present cross used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where posticides, herbicides, soil conditioners and forfilizors are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the tability are injected or degree order country, and other surface water bodies which received storm water discharges from the facility

Continued from the Front

VII. Discharge Information			
1	ceeding. Complete one set of tables for each outfaction included on separate sheets numbers VII-1 and \		pace provided.
Potential discharges not covered by a currently use or manufacture as an interview.	nalysis – is any toxic pollutant listed in table 2F- rmediate or final product or byproduct?	2, 2F-3, or 2F-4, a substance or a c	omponent of a substance which you
Yes (list all such pollutants b	elow)	✓ No (go to Section IX)	
VIII. Biological Toxicity Testing D	lata		
	pelieve that any biological test for acute or chronic	toxicity has been made on any of your	discharges or on a receiving water in
relation to your discharge within the last 3 y		_	and the second s
Yes (list all such pollutants be	elow)	✓ No (go to Section IX)	
IX. Contract Analysis Information			
	VII performed by a contract laboratory or consulting		
	and telephone number of, and pollutants	No (go to Section X)	
A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
X. Certification			
that qualified personnel properly gather and directly responsible for gathering the infor-	ument and all attachments were prepared under n d evaluate the information submitted. Based on my mation, the information submitted is, to the best of g false information, including the possibility of fine a	r inquiry of the person or persons who of my knowledge and belief, true, acc	manage the system or those persons urate, and complete. I am aware that
A. Name & Official Title (Type Or Print)		B. Area Code and Phone No.	
John C. Jay, Jr. Superinte	endent	(334) 624-8448	
C. Signature  EPA Form 35/9/2F (1-92)	Page 3 of 3	D. Date Signed 2 - 2 5 - 14	<b>,</b>

### VII. Discharge information (Continued from page 3 of Form 2F)

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

				erage Values nclude units)	Number	
	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants			
Oil and Grease		N/A				
Biological Oxygen Demand (BOD5)						
Chemical Oxygen Demand (COD)						
Total Suspended Solids (TSS)						
Total Nitrogen						
Total Phosphorus						
pH	Minimum	Maximum	Minimum	Maximum		

Part B – List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

	ements.  Maximu (inclusion)	um Values de units)	Ave	rage Values clude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
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### Continued from the Front

		Maximum Values		erage Values				
Pollutant and CAS Number	Grab Sample Taken During First 20	rlow-Weighted	(in Grab Sample Taken Dunng First 20	rclude units)  Flow-Weighted	Numl of Stor Ever	m		
(if available)	Minutes	Composite	Minutes	Composite	Samp		Sc	ources of Pollutants
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Part D - Pro	ovide data for the sto	rm event(s) which resu	Ited in the maximu	um values for the flow wei	ighted com	posite sa	5.	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rair during storm (in inche	n event	Number of hours betw beginning of storm meas and end of previous measurable rain ever	sured	rair (gallons	low rate during a event s/minute or iffy units)	6. Total flow from rain event (gallons or specify units)
7. Provide a	description of the me	ethod of flow measurem	nent or estimate.					